



Safety Data Sheet - Gorilla Weld - Hardener

Date Revised: 01/24/2017
Date Issued: 01/24/2017

Version 1.0

FOR CHEMICAL EMERGENCY
DURING BUSINESS HOURS: (800) 966-3458 | OUTSIDE BUSINESS HOURS: (800) 420-7186

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Gorilla Weld - Hardener

Intended Use of the Product

Adhesive

Name, Address, and Telephone of the Responsible Party

Company

The Gorilla Glue Company

2101 E. Kemper Road

Cincinnati, Ohio 45241

513-271-3300

www.gorillatough.com

Emergency Telephone Number

Emergency Number : 1-800-420-7186 (Prosar)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS-US/CA Classification

Flam. Liq. 2 H225

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Skin Sens. 1 H317

STOT SE 3 H335

Aquatic Acute 3 H402

Full text of hazard classes and H-statements : see section 16

Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H402 - Harmful to aquatic life.

Precautionary Statements (GHS-US/CA)

: P102: Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapors, mist, or spray.
P280 - Wear protective gloves, protective clothing, and eye protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove



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contact lenses, if present and easy to do. Continue rinsing.
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.

Other Hazards

None known

Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Name | Product Identifier | % * | GHS Ingredient Classification |
|--|----------------------|--------|--|
| Methyl methacrylate | (CAS No) 80-62-6 | 60-100 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 3, H402 |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene | (CAS No) 25053-09-2 | 5-10 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propyl- | (CAS No) 34562-31-7 | 1-5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 |
| Silica, amorphous, fumed, crystalline-free | (CAS No) 112945-52-5 | 0.1-1 | Not classified |
| 2,6-Di-tert-butyl-p-cresol | (CAS No) 128-37-0 | 0.1-1 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt | (CAS No) 25167-32-2 | 0.1-1 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| Talc | (CAS No) 14807-96-6 | < 0.1 | Not classified |
| n-Butyl acrylate | (CAS No) 141-32-2 | < 0.1 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapor), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412 |
| Copper(II) 8-hydroxyquinolate | (CAS No) 10380-28-6 | < 0.1 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 |
| 4-Vinylcyclohexene | (CAS No) 100-40-3 | < 0.1 | Flam. Liq. 2, H225 |



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| | | | |
|----------------|-------------------|-------|---|
| | | | Skin Irrit. 2, H315 Carc. 2, H351 Repr. 2, H361 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 3, H412 |
| Ethanolamine | (CAS No) 141-43-5 | < 0.1 | Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapor), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412 |
| Diethanolamine | (CAS No) 111-42-2 | < 0.1 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412 |

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. Skin sensitization.

Inhalation: Irritation of the respiratory tract and the other mucous membranes.

Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.



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SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Product reacts violently or explosively with alkali metals, alkaline earth metals, various metal powders, strong alkalis, ammonia, and other incompatible materials.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Remove containers from fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. Do not get water inside containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Thermal decomposition generates: Carbon oxides (CO, CO₂). Nitrogen oxides. Acrylates. Methyl methacrylate. Amines.

Other Information: Contains methyl methacrylate, when heated this product may undergo hazardous polymerization, increasing fire intensity. Do not allow run-off from firefighting to enter drains or water courses.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Eliminate ignition sources. Evacuate unnecessary personnel. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.



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Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Use only non-sparking tools. Take up large spills with pump or vacuum. Use water spray to disperse vapors. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. This product is stabilized with inhibitors. If used, stored, and transported according to directions, hazardous polymerization will not occur. Contains methacrylate compounds that if uninhibited, or if the inhibitor is lost can undergo hazardous polymerization under certain conditions including elevated temperatures, when exposed to strong oxidizers or other contaminants, incompatible materials (see section 10), or UV light. Vapors may be uninhibited and polymerize, causing blockage of vents.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, and spray. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions: Store in a dry, cool and well-ventilated place. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place. Store in original container.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Free radical initiators. Peroxides. Reducing agents. Heavy metal ions. Alkali metals. Alkaline earth metals. Various metal powders. Strong alkalis. Ammonia.

Specific End Use(s)

Adhesive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| 2,6-Di-tert-butyl-p-cresol (128-37-0) | | |
|---------------------------------------|--------------------------------------|--|
| Mexico | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Mexico | OEL STEL (mg/m ³) | 20 mg/m ³ |
| USA ACGIH | ACGIH TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| USA ACGIH | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 2 mg/m ³ (aerosol, inhalable, and vapour) |
| Manitoba | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| New Brunswick | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Nova Scotia | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Nunavut | OEL STEL (mg/m ³) | 4 mg/m ³ (inhalable fraction and vapour) |
| Nunavut | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapour) |



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| | | |
|--------------------------------|---------------------------------------|---|
| Northwest Territories | OEL STEL (mg/m ³) | 4 mg/m ³ (inhalable fraction and vapour) |
| Northwest Territories | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapour) |
| Ontario | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Prince Edward Island | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Québec | VECD (mg/m ³) | 10 mg/m ³ |
| Saskatchewan | OEL STEL (mg/m ³) | 4 mg/m ³ (inhalable fraction and vapour) |
| Saskatchewan | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapour) |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Ethanolamine (141-43-5) | | |
| Mexico | OEL TWA (mg/m ³) | 8 mg/m ³ |
| Mexico | OEL TWA (ppm) | 3 ppm |
| Mexico | OEL STEL (mg/m ³) | 15 mg/m ³ |
| Mexico | OEL STEL (ppm) | 6 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 3 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 6 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 6 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 3 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 8 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 3 ppm |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 15 mg/m ³ |
| USA NIOSH | NIOSH REL (STEL) (ppm) | 6 ppm |
| USA IDLH | US IDLH (ppm) | 30 ppm |
| Alberta | OEL STEL (mg/m ³) | 15 mg/m ³ |
| Alberta | OEL STEL (ppm) | 6 ppm |
| Alberta | OEL TWA (mg/m ³) | 7.5 mg/m ³ |
| Alberta | OEL TWA (ppm) | 3 ppm |
| British Columbia | OEL STEL (ppm) | 6 ppm |
| British Columbia | OEL TWA (ppm) | 3 ppm |
| Manitoba | OEL STEL (ppm) | 6 ppm |
| Manitoba | OEL TWA (ppm) | 3 ppm |
| New Brunswick | OEL STEL (mg/m ³) | 15 mg/m ³ |
| New Brunswick | OEL STEL (ppm) | 6 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 7.5 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 3 ppm |
| Newfoundland & Labrador | OEL STEL (ppm) | 6 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 3 ppm |
| Nova Scotia | OEL STEL (ppm) | 6 ppm |
| Nova Scotia | OEL TWA (ppm) | 3 ppm |
| Nunavut | OEL STEL (ppm) | 6 ppm |
| Nunavut | OEL TWA (ppm) | 3 ppm |
| Northwest Territories | OEL STEL (ppm) | 6 ppm |
| Northwest Territories | OEL TWA (ppm) | 3 ppm |
| Ontario | OEL STEL (ppm) | 6 ppm |
| Ontario | OEL TWA (ppm) | 3 ppm |
| Prince Edward Island | OEL STEL (ppm) | 6 ppm |



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| | | |
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| Prince Edward Island | OEL TWA (ppm) | 3 ppm |
| Québec | VECD (mg/m ³) | 15 mg/m ³ |
| Québec | VECD (ppm) | 6 ppm |
| Québec | VEMP (mg/m ³) | 7.5 mg/m ³ |
| Québec | VEMP (ppm) | 3 ppm |
| Saskatchewan | OEL STEL (ppm) | 6 ppm |
| Saskatchewan | OEL TWA (ppm) | 3 ppm |
| Yukon | OEL STEL (mg/m ³) | 12 mg/m ³ |
| Yukon | OEL STEL (ppm) | 6 ppm |
| Yukon | OEL TWA (mg/m ³) | 6 mg/m ³ |
| Yukon | OEL TWA (ppm) | 3 ppm |
| Diethanolamine (111-42-2) | | |
| USA ACGIH | ACGIH TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction and vapor) |
| USA ACGIH | ACGIH chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 15 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 3 ppm |
| Alberta | OEL TWA (mg/m ³) | 2 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 2 mg/m ³ |
| Manitoba | OEL TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction and vapor) |
| New Brunswick | OEL TWA (mg/m ³) | 2 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 0.46 ppm |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction and vapor) |
| Nova Scotia | OEL TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction and vapor) |
| Nunavut | OEL STEL (mg/m ³) | 4 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 2 mg/m ³ |
| Northwest Territories | OEL STEL (mg/m ³) | 4 mg/m ³ |
| Northwest Territories | OEL TWA (mg/m ³) | 2 mg/m ³ |
| Ontario | OEL TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction and vapor) |
| Prince Edward Island | OEL TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction and vapor) |
| Québec | VEMP (mg/m ³) | 13 mg/m ³ |
| Québec | VEMP (ppm) | 3 ppm |
| Saskatchewan | OEL STEL (mg/m ³) | 4 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 2 mg/m ³ |
| Talc (14807-96-6) | | |
| Mexico | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| USA ACGIH | ACGIH TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter) |
| USA ACGIH | ACGIH chemical category | Not Classifiable as a Human Carcinogen containing no asbestos fibers |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 2 mg/m ³ (containing no Asbestos and <1% Quartz-respirable dust) |
| USA IDLH | US IDLH (mg/m ³) | 1000 mg/m ³ (containing no asbestos and <1% quartz) |
| Alberta | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable particulate) |
| British Columbia | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and |



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| | | |
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| | | <1% Crystalline silica-respirable particulate) |
| Manitoba | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| New Brunswick | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| Nova Scotia | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| Nunavut | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Northwest Territories | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Ontario | OEL TWA (mg/m ³) | 2 mg/m ³ (containing no Asbestos and <1% Crystalline silica-respirable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| Québec | VEMP (mg/m ³) | 3 mg/m ³ (respirable dust) |
| Saskatchewan | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Yukon | OEL TWA (mg/m ³) | 20 mppcf |
| 4-Vinylcyclohexene (100-40-3) | | |
| USA ACGIH | ACGIH TWA (ppm) | 0.1 ppm |
| USA ACGIH | ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| USA AIHA | WEEL TWA (ppm) | 1 ppm |
| Alberta | OEL TWA (mg/m ³) | 0.4 mg/m ³ |
| Alberta | OEL TWA (ppm) | 0.1 ppm |
| British Columbia | OEL TWA (ppm) | 0.1 ppm |
| Manitoba | OEL TWA (ppm) | 0.1 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 0.44 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 0.1 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 0.1 ppm |
| Nova Scotia | OEL TWA (ppm) | 0.1 ppm |
| Nunavut | OEL STEL (ppm) | 0.3 ppm |
| Nunavut | OEL TWA (ppm) | 0.1 ppm |
| Northwest Territories | OEL STEL (ppm) | 0.3 ppm |
| Northwest Territories | OEL TWA (ppm) | 0.1 ppm |
| Ontario | OEL TWA (ppm) | 0.1 ppm |
| Prince Edward Island | OEL TWA (ppm) | 0.1 ppm |
| Saskatchewan | OEL STEL (ppm) | 0.3 ppm |
| Saskatchewan | OEL TWA (ppm) | 0.1 ppm |
| n-Butyl acrylate (141-32-2) | | |
| Mexico | OEL TWA (mg/m ³) | 55 mg/m ³ |
| Mexico | OEL TWA (ppm) | 10 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 2 ppm |
| USA ACGIH | ACGIH chemical category | dermal sensitizer, Not Classifiable as a Human Carcinogen |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 55 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 10 ppm |



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| | | |
|--------------------------------------|--------------------------------------|---|
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Alberta | OEL TWA (ppm) | 2 ppm |
| British Columbia | OEL TWA (ppm) | 2 ppm |
| Manitoba | OEL TWA (ppm) | 2 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 52 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 10 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 2 ppm |
| Nova Scotia | OEL TWA (ppm) | 2 ppm |
| Nunavut | OEL STEL (ppm) | 4 ppm |
| Nunavut | OEL TWA (ppm) | 2 ppm |
| Northwest Territories | OEL STEL (ppm) | 4 ppm |
| Northwest Territories | OEL TWA (ppm) | 2 ppm |
| Ontario | OEL TWA (ppm) | 2 ppm |
| Prince Edward Island | OEL TWA (ppm) | 2 ppm |
| Québec | VEMP (mg/m ³) | 10 mg/m ³ |
| Québec | VEMP (ppm) | 2 ppm |
| Saskatchewan | OEL STEL (ppm) | 4 ppm |
| Saskatchewan | OEL TWA (ppm) | 2 ppm |
| Yukon | OEL STEL (mg/m ³) | 82 mg/m ³ |
| Yukon | OEL STEL (ppm) | 15 ppm |
| Yukon | OEL TWA (mg/m ³) | 55 mg/m ³ |
| Yukon | OEL TWA (ppm) | 10 ppm |
| Methyl methacrylate (80-62-6) | | |
| Mexico | OEL TWA (mg/m ³) | 410 mg/m ³ |
| Mexico | OEL TWA (ppm) | 100 ppm |
| Mexico | OEL STEL (mg/m ³) | 510 mg/m ³ |
| Mexico | OEL STEL (ppm) | 125 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 50 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 100 ppm |
| USA ACGIH | ACGIH chemical category | dermal sensitizer, Not Classifiable as a Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 410 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 410 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm |
| USA IDLH | US IDLH (ppm) | 1000 ppm |
| Alberta | OEL STEL (mg/m ³) | 410 mg/m ³ |
| Alberta | OEL STEL (ppm) | 100 ppm |
| Alberta | OEL TWA (mg/m ³) | 205 mg/m ³ |
| Alberta | OEL TWA (ppm) | 50 ppm |
| British Columbia | OEL STEL (ppm) | 100 ppm |
| British Columbia | OEL TWA (ppm) | 50 ppm |
| Manitoba | OEL STEL (ppm) | 100 ppm |
| Manitoba | OEL TWA (ppm) | 50 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 410 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 100 ppm |
| Newfoundland & Labrador | OEL STEL (ppm) | 100 ppm |



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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

| | | |
|-------------------------|-------------------------------|-----------------------|
| Newfoundland & Labrador | OEL TWA (ppm) | 50 ppm |
| Nova Scotia | OEL STEL (ppm) | 100 ppm |
| Nova Scotia | OEL TWA (ppm) | 50 ppm |
| Nunavut | OEL STEL (ppm) | 100 ppm |
| Nunavut | OEL TWA (ppm) | 50 ppm |
| Northwest Territories | OEL STEL (ppm) | 100 ppm |
| Northwest Territories | OEL TWA (ppm) | 50 ppm |
| Ontario | OEL STEL (ppm) | 100 ppm |
| Ontario | OEL TWA (ppm) | 50 ppm |
| Prince Edward Island | OEL STEL (ppm) | 100 ppm |
| Prince Edward Island | OEL TWA (ppm) | 50 ppm |
| Québec | VEMP (mg/m ³) | 205 mg/m ³ |
| Québec | VEMP (ppm) | 50 ppm |
| Saskatchewan | OEL STEL (ppm) | 100 ppm |
| Saskatchewan | OEL TWA (ppm) | 50 ppm |
| Yukon | OEL STEL (mg/m ³) | 510 mg/m ³ |
| Yukon | OEL STEL (ppm) | 125 ppm |
| Yukon | OEL TWA (mg/m ³) | 410 mg/m ³ |
| Yukon | OEL TWA (ppm) | 100 ppm |

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gas detectors should be used when flammable gases or vapors may be released. Ensure adequate ventilation, especially in confined areas. Vapors may be uninhibited and polymerize, causing blockage of vents. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Avoid release to the environment.

Other Information: When using, do not eat, drink or smoke

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|----------------|-----------------|
| Physical State | : Liquid |
| Appearance | : Black liquid |
| Odor | : Like acrylic |
| Odor Threshold | : Not available |



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| | |
|--|--------------------------------|
| pH | : Not available |
| Evaporation Rate | : Not available |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : 100 °C (212 °F) |
| Flash Point | : 8.9 °C (48.02 °F) Closed Cup |
| Auto-ignition Temperature | : Not available |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : Not available |
| Upper Flammable Limit | : Not available |
| Vapor Pressure | : Not available |
| Relative Vapor Density at 20°C | : Not available |
| Relative Density | : Not available |
| Specific Gravity | : 0.979 g/cm ³ |
| Solubility | : Not available |
| Partition Coefficient: N-Octanol/Water | : Not available |
| Viscosity | : Not available |

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Product reacts violently or explosively with alkali metals, alkaline earth metals, various metal powders, strong alkalis, ammonia, and other incompatible materials. Reacts vigorously with water producing heat. Contact with metals and water liberates hydrogen.

Chemical Stability: As supplied, this product is stabilized with inhibitors. Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

Possibility of Hazardous Reactions: This product has been stabilized by inhibitors. Hazardous reactions will not occur under normal conditions. Contains methacrylate compounds that uninhibited can undergo hazardous polymerization at elevated temperatures, or when exposed to strong oxidizers or UV light. Take appropriate precautions to avoid these conditions.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Free radical initiators. Peroxides. Reducing agents. Heavy metal ions. Epoxides. Ultraviolet light. Direct sunlight. Alkali metals. Alkaline earth metals. Various metal powders. Strong alkalis. Ammonia.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.



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Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Irritation of the respiratory tract and the other mucous membranes.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| | |
|--|--|
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| LD50 Oral Rat | > 2930 mg/kg (Species: Sprague-Dawley) |
| LD50 Dermal Rat | > 2000 mg/kg |
| Ethanolamine (141-43-5) | |
| LD50 Oral Rat | 1720 mg/kg |
| LD50 Dermal Rabbit | 1025 mg/kg |
| ATE US/CA (vapors) | 11.00 mg/l/4h |
| Diethanolamine (111-42-2) | |
| LD50 Oral Rat | 1820 mg/kg |
| Silica, amorphous, fumed, crystalline-free (112945-52-5) | |
| LD50 Oral Rat | 3160 mg/kg |
| Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propyl- (34562-31-7) | |
| ATE US/CA (oral) | 500.00 mg/kg body weight |
| ATE US/CA (dermal) | 1,100.00 mg/kg body weight |
| 4-Vinylcyclohexene (100-40-3) | |
| LD50 Oral Rat | 2600 mg/kg |
| LD50 Dermal Rabbit | 17000 mg/kg |
| LC50 Inhalation Rat | 17.7 - 35.4 mg/l/4h |
| n-Butyl acrylate (141-32-2) | |
| LD50 Oral Rat | 9050 mg/kg |
| LD50 Dermal Rabbit | 3024 mg/kg |
| LC50 Inhalation Rat | 10.3 mg/l/4h |
| Methyl methacrylate (80-62-6) | |
| LD50 Oral Rat | 8420 - 10000 mg/kg |
| LD50 Dermal Rabbit | 5000 - 7500 mg/kg |
| LC50 Inhalation Rat | 29 mg/l/4h |
| LC50 Inhalation Rat | 7093 ppm/4h |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) | |



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| | |
|---|---|
| LD50 Oral Rat | 1000 mg/kg |
| LD50 Dermal Rabbit | > 2000 mg/kg |
| Copper(II) 8-hydroxyquinolate (10380-28-6) | |
| LD50 Oral Rat | 500 mg/kg |
| LD50 Dermal Rabbit | > 2000 mg/kg |
| LC50 Inhalation Rat | > 0.94 mg/l/4h |
| ATE US/CA (dust, mist) | 0.50 mg/l/4h |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| IARC Group | 3 |
| Diethanolamine (111-42-2) | |
| IARC Group | 2B |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |
| Talc (14807-96-6) | |
| IARC Group | 3 |
| National Toxicology Program (NTP) Status | Evidence of Carcinogenicity. |
| Silica, amorphous, fumed, crystalline-free (112945-52-5) | |
| IARC Group | 3 |
| 4-Vinylcyclohexene (100-40-3) | |
| IARC Group | 2B |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |
| n-Butyl acrylate (141-32-2) | |
| IARC Group | 3 |
| Methyl methacrylate (80-62-6) | |
| IARC Group | 3 |
| Copper(II) 8-hydroxyquinolate (10380-28-6) | |
| IARC Group | 3 |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Harmful to aquatic life.

| | |
|--|---|
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| EC50 Daphnia 1 | 0.48 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 Other Aquatic Organisms 2 | 0.43 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus) |
| Ethanolamine (141-43-5) | |
| LC50 Fish 1 | 227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 65 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static]) |
| ErC50 (algae) | 2.5 mg/l |
| Diethanolamine (111-42-2) | |
| LC50 Fish 1 | 4460 (4460 - 4980) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 55 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 1200 (1200 - 1580) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Other Aquatic Organisms 2 | 2.1 (2.1 - 2.3) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata) |
| ErC50 (algae) | 2.2 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [Static]) |



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| | |
|--|--|
| NOEC Chronic Crustacea | 0.78 mg/l |
| Talc (14807-96-6) | |
| LC50 Fish 1 | > 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static]) |
| 4-Vinylcyclohexene (100-40-3) | |
| EC50 Daphnia 1 | 1.87 mg/l |
| n-Butyl acrylate (141-32-2) | |
| LC50 Fish 1 | 5.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |
| EC50 Daphnia 1 | 8.2 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| Methyl methacrylate (80-62-6) | |
| LC50 Fish 1 | 243 - 275 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 69 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 125.5 - 190.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) | |
| LC50 Fish 1 | 3.85 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 3.63 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 6.81 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| Copper(II) 8-hydroxyquinolate (10380-28-6) | |
| ErC50 (algae) | 0.0762 mg/l |
| Persistence and Degradability | |
| Gorilla Weld - Hardener | |
| Persistence and Degradability | Not established. |
| Bioaccumulative Potential | |
| Gorilla Weld - Hardener | |
| Bioaccumulative Potential | Not established. |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| BCF Fish 1 | 230 - 2500 |
| Log Pow | 4.17 |
| Ethanolamine (141-43-5) | |
| Log Pow | -1.91 (at 25 °C) |
| Diethanolamine (111-42-2) | |
| BCF Fish 1 | (no significant bioconcentration) |
| Log Pow | -2.18 (at 25 °C) |
| Talc (14807-96-6) | |
| BCF Fish 1 | (no known bioaccumulation) |
| n-Butyl acrylate (141-32-2) | |
| Log Pow | 2.38 (at 25 °C) |
| Methyl methacrylate (80-62-6) | |
| Log Pow | 0.7 |

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations



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Additional Information: Handle empty containers with care because residual vapors are flammable. Do not pressurize, cut, or weld containers.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)

Hazard Class : 3

Identification Number : UN1993

Label Codes : 3

Packing Group : II

ERG Number : 128



In Accordance with IMDG

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)

Hazard Class : 3

Identification Number : UN1993

Label Codes : 3

Packing Group : II

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-E



In Accordance with IATA

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)

Identification Number : 3

Hazard Class : UN1993

Label Codes : 3

Packing Group : II

ERG Code (IATA) : 3L



In Accordance with TDG

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)

Hazard Class : 3

Identification Number : UN1993

Label Codes : 3

Packing Group : II



SECTION 15: REGULATORY INFORMATION

US Federal Regulations



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| | |
|--|--|
| Gorilla Weld - Hardener | |
| SARA Section 311/312 Hazard Classes | Fire hazard Immediate (acute) health hazard Reactive hazard |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Ethanolamine (141-43-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Diethanolamine (111-42-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 100 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Talc (14807-96-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propyl- (34562-31-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 4-Vinylcyclohexene (100-40-3) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| n-Butyl acrylate (141-32-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Methyl methacrylate (80-62-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 1000 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene (25053-09-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)) |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Copper(II) 8-hydroxyquinolate (10380-28-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| US State Regulations | |
| Diethanolamine (111-42-2) | |
| U.S. - California - Proposition 65 - Carcinogens List | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| 4-Vinylcyclohexene (100-40-3) | |
| U.S. - California - Proposition 65 - Carcinogens List | WARNING: This product contains chemicals known to the State of California to cause cancer. |



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| | |
|--|---|
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | WARNING: This product contains chemicals known to the State of California to cause (Female) reproductive harm. |
|--|---|

| |
|---|
| 2,6-Di-tert-butyl-p-cresol (128-37-0) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |
|---|

| |
|---|
| Ethanolamine (141-43-5) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |
|---|

| |
|--|
| Diethanolamine (111-42-2) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List |
|--|

| |
|---|
| Talc (14807-96-6) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |
|---|

| |
|---|
| 4-Vinylcyclohexene (100-40-3) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |
|---|

| |
|--|
| n-Butyl acrylate (141-32-2) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List |
|--|

| |
|--|
| Methyl methacrylate (80-62-6) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List |
|--|

Canadian Regulations

| |
|---|
| 2,6-Di-tert-butyl-p-cresol (128-37-0) Listed on the Canadian DSL (Domestic Substances List) |
|---|

| |
|---|
| Ethanolamine (141-43-5) Listed on the Canadian DSL (Domestic Substances List) |
|---|

| |
|---|
| Diethanolamine (111-42-2) Listed on the Canadian DSL (Domestic Substances List) |
|---|

| |
|---|
| Talc (14807-96-6) Listed on the Canadian DSL (Domestic Substances List) |
|---|

| |
|---|
| Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propyl- (34562-31-7) Listed on the Canadian DSL (Domestic Substances List) |
|---|

| |
|--------------------------------------|
| 4-Vinylcyclohexene (100-40-3) |
|--------------------------------------|



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Version 1.0

FOR CHEMICAL EMERGENCY
DURING BUSINESS HOURS: (800) 966-3458 | OUTSIDE BUSINESS HOURS: (800) 420-7186

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

| |
|--|
| Listed on the Canadian DSL (Domestic Substances List) |
| n-Butyl acrylate (141-32-2) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Methyl methacrylate (80-62-6) |
| Listed on the Canadian DSL (Domestic Substances List) |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene (25053-09-2) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Copper(II) 8-hydroxyquinolate (10380-28-6) |
| Listed on the Canadian NDSL (Non-Domestic Substances List) |

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

| | |
|--------------------------|---|
| Revision Date | : 01/20/2017 |
| Other Information | : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR). |

GHS Full Text Phrases:

| | |
|-------------------------------------|--|
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Carc. 2 | Carcinogenicity Category 2 |
| Comb. Dust | Combustible Dust |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Repr. 2 | Reproductive toxicity Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT RE 2 | Specific target organ toxicity (repeated exposure) Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |



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| | |
|------|---|
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H320 | Causes eye irritation |
| H331 | Toxic if inhaled |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

The information presented in this Safety Data Sheet was prepared by qualified personnel and to the best of our knowledge is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for this purpose. This data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which The Gorilla Glue Company assumes legal responsibility. The data is submitted for the user's information and consideration only. Any use of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.

Gorilla Glue NA GHS SDS 2015



Safety Data Sheet – Gorilla Weld - Resin

Date Revised: 06/07/2018
Date Issued: 01/25/2017

Version 1.2

FOR CHEMICAL EMERGENCY
DURING BUSINESS HOURS: (800) 966-3458 | OUTSIDE BUSINESS HOURS: (800) 420-7186

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: GORILLA WELD RESIN

Intended Use of the Product

Adhesive

Name, Address, and Telephone of the Responsible Party

Company

The Gorilla Glue Company
2101 E. Kemper Road
Cincinnati, Ohio 45241
513-271-3300

www.gorillatough.com

Emergency Telephone Number

Emergency Number : 1-800-420-7186 (Prosar)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS-US/CA Classification

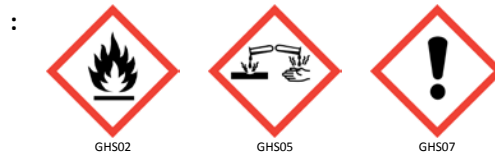
| | |
|-------------------|------|
| Flam. Liq. 2 | H225 |
| Skin Irrit. 2 | H315 |
| Eye Dam. 1 | H318 |
| Skin Sens. 1 | H317 |
| STOT SE 3 | H335 |
| Aquatic Chronic 3 | H412 |

Full text of hazard classes and H-statements : see section 16

Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA)

: P102: Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe vapors, mist, or spray.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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Other Hazards

Note: *Gorilla Weld* contains Methacrylic Acid CAS No. 79-41-4 which, according to Annex 1, Table 3.2.3 of CLP carries the H314: corrosive classification. Product level dermal corrosivity testing for Gorilla Weld confirms the product is classified as a skin irritant rather than corrosive. Positive results in a valid and accepted skin corrosion test (Corrositex test) classifies the mixture as Non-corrosive utilizing multiple replicate samples indicating highly reproducible results. As a result, the health hazard and transport classification have been changed to reflect the Weld results: UN Non-Corrosive and not a GHS Category 1.

Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Name | Product Identifier | % * | GHS Ingredient Classification |
|--|---------------------|--------|--|
| Methyl methacrylate | (CAS No) 80-62-6 | 40-70 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 3, H402 |
| Methacrylic acid | (CAS No) 79-41-4 | 1- <10 | Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402 |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene | (CAS No) 25053-09-2 | 1- <10 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| 2-Propenoic acid, 2-methyl-, phosphinobis(oxy-2,1-ethanediyl) ester | (CAS No) 32435-46-4 | <1 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Chronic 3, H412 |
| Cumene hydroperoxide | (CAS No) 80-15-9 | <1 | Flam. Liq. 4, H227 Org. Perox. E, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| Talc | (CAS No) 14807-96-6 | <1 | Not classified |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt | (CAS No) 25167-32-2 | <1 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |



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| | | | |
|----------------------------|-------------------|-------|---|
| 2,6-Di-tert-butyl-p-cresol | (CAS No) 128-37-0 | <1 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| 1,1,2-Trichloroethane | (CAS No) 79-00-5 | <0.1 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 2, H351 Aquatic Acute 3, H402 |
| Cumene | (CAS No) 98-82-8 | < 0.1 | Flam. Liq. 3, H226 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| Acetophenone | (CAS No) 98-86-2 | < 0.1 | Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2A, H319 |

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Obtain medical attention.

Eye Contact: Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye damage. Causes severe skin irritation and eye damage. May cause respiratory irritation. Skin sensitization.

Inhalation: Irritation of the respiratory tract and the other mucous membranes. May be corrosive to the respiratory tract. Symptoms of respiratory complications (lung edema) may occur several hours after exposure.

Skin Contact: Causes severe irritation. May cause an allergic skin reaction.

Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Ingestion: Ingestion may cause adverse effects. May cause gastrointestinal irritation.

Chronic Symptoms: None Anticipated

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.



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Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Product reacts violently or explosively with alkali metals, alkaline earth metals, various metal powders, strong alkalis, ammonia, and other incompatible materials. Reacts vigorously with water producing heat. Contact with metals and water liberates hydrogen.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Remove containers from fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. Do not get water inside containers. Do not apply water stream directly at source of leak. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Thermal decomposition generates: Carbon oxides (CO, CO₂). Nitrogen oxides. Ammonia. Phenol. Phenolic compounds. Acetone. Acrylates. Methyl methacrylate. Corrosive vapors. Phosgene. Chlorine. Dioxins. Hydrogen chloride.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses. Exposure to fire may cause containers to rupture/explode.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Eliminate ignition sources. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.



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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. Hazardous polymerization may occur. Vapors may be uninhibited and polymerize, causing blockage of vents.

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take precautionary measures against static discharge. Use only non-sparking tools. Do not get in eyes, on skin, or on clothing. Do not breathe mist, spray, and vapors. Use appropriate personal protection equipment (PPE).

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions: Store only if stabilized. Store in a dry, cool place. Store in a well-ventilated place. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Protect from sunlight. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Keep in fireproof place. Store in original container. Store locked up.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Ammonia. Organic peroxides. Peroxides. Polymerization catalysts. Amines. Ultraviolet light. Light. Free radical initiators. Reducing agents. Heavy metal ions. Mineral acids. Iodides. Sulfides. Isocyanates.

Specific End Use(s)

Adhesive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| Methyl methacrylate (80-62-6) | | |
|-------------------------------|--------------------------------------|---|
| Mexico | OEL TWA (mg/m ³) | 410 mg/m ³ |
| Mexico | OEL TWA (ppm) | 100 ppm |
| Mexico | OEL STEL (mg/m ³) | 510 mg/m ³ |
| Mexico | OEL STEL (ppm) | 125 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 50 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 100 ppm |
| USA ACGIH | ACGIH chemical category | dermal sensitizer, Not Classifiable as a Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 410 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 410 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm |
| USA IDLH | US IDLH (ppm) | 1000 ppm |
| Alberta | OEL STEL (mg/m ³) | 410 mg/m ³ |
| Alberta | OEL STEL (ppm) | 100 ppm |
| Alberta | OEL TWA (mg/m ³) | 205 mg/m ³ |
| Alberta | OEL TWA (ppm) | 50 ppm |
| British Columbia | OEL STEL (ppm) | 100 ppm |
| British Columbia | OEL TWA (ppm) | 50 ppm |
| Manitoba | OEL STEL (ppm) | 100 ppm |



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| | | |
|-----------------------------------|--------------------------------------|-----------------------|
| Manitoba | OEL TWA (ppm) | 50 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 410 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 100 ppm |
| Newfoundland & Labrador | OEL STEL (ppm) | 100 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 50 ppm |
| Nova Scotia | OEL STEL (ppm) | 100 ppm |
| Nova Scotia | OEL TWA (ppm) | 50 ppm |
| Nunavut | OEL STEL (ppm) | 100 ppm |
| Nunavut | OEL TWA (ppm) | 50 ppm |
| Northwest Territories | OEL STEL (ppm) | 100 ppm |
| Northwest Territories | OEL TWA (ppm) | 50 ppm |
| Ontario | OEL STEL (ppm) | 100 ppm |
| Ontario | OEL TWA (ppm) | 50 ppm |
| Prince Edward Island | OEL STEL (ppm) | 100 ppm |
| Prince Edward Island | OEL TWA (ppm) | 50 ppm |
| Québec | VEMP (mg/m ³) | 205 mg/m ³ |
| Québec | VEMP (ppm) | 50 ppm |
| Saskatchewan | OEL STEL (ppm) | 100 ppm |
| Saskatchewan | OEL TWA (ppm) | 50 ppm |
| Yukon | OEL STEL (mg/m ³) | 510 mg/m ³ |
| Yukon | OEL STEL (ppm) | 125 ppm |
| Yukon | OEL TWA (mg/m ³) | 410 mg/m ³ |
| Yukon | OEL TWA (ppm) | 100 ppm |
| Methacrylic acid (79-41-4) | | |
| USA ACGIH | ACGIH TWA (ppm) | 20 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 70 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 20 ppm |
| Alberta | OEL TWA (mg/m ³) | 70 mg/m ³ |
| Alberta | OEL TWA (ppm) | 20 ppm |
| British Columbia | OEL TWA (ppm) | 20 ppm |
| Manitoba | OEL TWA (ppm) | 20 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 70 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 20 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 20 ppm |
| Nova Scotia | OEL TWA (ppm) | 20 ppm |
| Nunavut | OEL STEL (ppm) | 30 ppm |
| Nunavut | OEL TWA (ppm) | 20 ppm |
| Northwest Territories | OEL STEL (ppm) | 30 ppm |
| Northwest Territories | OEL TWA (ppm) | 20 ppm |
| Ontario | OEL TWA (ppm) | 20 ppm |
| Prince Edward Island | OEL TWA (ppm) | 20 ppm |
| Québec | VEMP (mg/m ³) | 70 mg/m ³ |
| Québec | VEMP (ppm) | 20 ppm |
| Saskatchewan | OEL STEL (ppm) | 30 ppm |
| Saskatchewan | OEL TWA (ppm) | 20 ppm |



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| Cumene hydroperoxide (80-15-9) | | |
|--|--------------------------------------|---|
| USA AIHA | WEEL TWA (ppm) | 1 ppm |
| USA AIHA | AIHA chemical category | skin notation |
| Talc (14807-96-6) | | |
| Mexico | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| USA ACGIH | ACGIH TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter) |
| USA ACGIH | ACGIH chemical category | Not Classifiable as a Human Carcinogen containing no asbestos fibers |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 2 mg/m ³ (containing no Asbestos and <1% Quartz-respirable dust) |
| USA IDLH | US IDLH (mg/m ³) | 1000 mg/m ³ (containing no asbestos and <1% quartz) |
| Alberta | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable particulate) |
| British Columbia | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate) |
| Manitoba | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| New Brunswick | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| Nova Scotia | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| Nunavut | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Northwest Territories | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Ontario | OEL TWA (mg/m ³) | 2 mg/m ³ (containing no Asbestos and <1% Crystalline silica-respirable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate matter) |
| Québec | VEMP (mg/m ³) | 3 mg/m ³ (respirable dust) |
| Saskatchewan | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Yukon | OEL TWA (mg/m ³) | 20 mppcf |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | | |
| Mexico | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Mexico | OEL STEL (mg/m ³) | 20 mg/m ³ |
| USA ACGIH | ACGIH TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| USA ACGIH | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 2 mg/m ³ (aerosol, inhalable, and vapor) |
| Manitoba | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| New Brunswick | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Nova Scotia | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Nunavut | OEL STEL (mg/m ³) | 4 mg/m ³ (inhalable fraction and vapor) |
| Nunavut | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |



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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

| | | |
|--|--------------------------------------|--|
| Northwest Territories | OEL STEL (mg/m ³) | 4 mg/m ³ (inhalable fraction and vapor) |
| Northwest Territories | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Ontario | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Prince Edward Island | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Québec | VECD (mg/m ³) | 10 mg/m ³ |
| Saskatchewan | OEL STEL (mg/m ³) | 4 mg/m ³ (inhalable fraction and vapor) |
| Saskatchewan | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction and vapor) |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 10 mg/m ³ |
| 1,1,2-Trichloroethane (79-00-5) | | |
| Mexico | OEL TWA (mg/m ³) | 45 mg/m ³ |
| Mexico | OEL TWA (ppm) | 10 ppm |
| Mexico | OEL STEL (mg/m ³) | 30 mg/m ³ |
| Mexico | OEL STEL (ppm) | 20 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 10 ppm |
| USA ACGIH | ACGIH chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 45 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 10 ppm |
| USA OSHA | Limit value category (OSHA) | prevent or reduce skin absorption |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 45 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 10 ppm |
| USA IDLH | US IDLH (ppm) | 100 ppm |
| Alberta | OEL TWA (mg/m ³) | 55 mg/m ³ |
| Alberta | OEL TWA (ppm) | 10 ppm |
| British Columbia | OEL TWA (ppm) | 10 ppm |
| Manitoba | OEL TWA (ppm) | 10 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 55 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 10 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 10 ppm |
| Nova Scotia | OEL TWA (ppm) | 10 ppm |
| Nunavut | OEL STEL (ppm) | 15 ppm |
| Nunavut | OEL TWA (ppm) | 10 ppm |
| Northwest Territories | OEL STEL (ppm) | 15 ppm |
| Northwest Territories | OEL TWA (ppm) | 10 ppm |
| Ontario | OEL TWA (ppm) | 10 ppm |
| Prince Edward Island | OEL TWA (ppm) | 10 ppm |
| Québec | VEMP (mg/m ³) | 55 mg/m ³ |
| Québec | VEMP (ppm) | 10 ppm |
| Saskatchewan | OEL STEL (ppm) | 15 ppm |
| Saskatchewan | OEL TWA (ppm) | 10 ppm |
| Yukon | OEL STEL (mg/m ³) | 90 mg/m ³ |
| Yukon | OEL STEL (ppm) | 20 ppm |
| Yukon | OEL TWA (mg/m ³) | 45 mg/m ³ |
| Yukon | OEL TWA (ppm) | 10 ppm |



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| Cumene (98-82-8) | | |
|-------------------------------|--------------------------------------|-----------------------------------|
| Mexico | OEL TWA (mg/m ³) | 245 mg/m ³ |
| Mexico | OEL TWA (ppm) | 50 ppm |
| Mexico | OEL STEL (mg/m ³) | 365 mg/m ³ |
| Mexico | OEL STEL (ppm) | 75 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 50 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 245 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |
| USA OSHA | Limit value category (OSHA) | prevent or reduce skin absorption |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 245 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 50 ppm |
| USA IDLH | US IDLH (ppm) | 900 ppm (10% LEL) |
| Alberta | OEL TWA (mg/m ³) | 246 mg/m ³ |
| Alberta | OEL TWA (ppm) | 50 ppm |
| British Columbia | OEL STEL (ppm) | 75 ppm |
| British Columbia | OEL TWA (ppm) | 25 ppm |
| Manitoba | OEL TWA (ppm) | 50 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 246 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 50 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 50 ppm |
| Nova Scotia | OEL TWA (ppm) | 50 ppm |
| Nunavut | OEL STEL (ppm) | 74 ppm |
| Nunavut | OEL TWA (ppm) | 50 ppm |
| Northwest Territories | OEL STEL (ppm) | 74 ppm |
| Northwest Territories | OEL TWA (ppm) | 50 ppm |
| Ontario | OEL TWA (ppm) | 50 ppm |
| Prince Edward Island | OEL TWA (ppm) | 50 ppm |
| Québec | VEMP (mg/m ³) | 246 mg/m ³ |
| Québec | VEMP (ppm) | 50 ppm |
| Saskatchewan | OEL STEL (ppm) | 74 ppm |
| Saskatchewan | OEL TWA (ppm) | 50 ppm |
| Yukon | OEL STEL (mg/m ³) | 365 mg/m ³ |
| Yukon | OEL STEL (ppm) | 75 ppm |
| Yukon | OEL TWA (mg/m ³) | 245 mg/m ³ |
| Yukon | OEL TWA (ppm) | 50 ppm |
| Acetophenone (98-86-2) | | |
| USA ACGIH | ACGIH TWA (ppm) | 10 ppm |
| USA AIHA | WEEL TWA (ppm) | 10 ppm |
| Alberta | OEL TWA (mg/m ³) | 49 mg/m ³ |
| Alberta | OEL TWA (ppm) | 10 ppm |
| British Columbia | OEL TWA (ppm) | 10 ppm |
| Manitoba | OEL TWA (ppm) | 10 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 49 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 10 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 10 ppm |



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| | | |
|-----------------------|---------------------------|----------------------|
| Nova Scotia | OEL TWA (ppm) | 10 ppm |
| Nunavut | OEL STEL (ppm) | 15 ppm |
| Nunavut | OEL TWA (ppm) | 10 ppm |
| Northwest Territories | OEL STEL (ppm) | 15 ppm |
| Northwest Territories | OEL TWA (ppm) | 10 ppm |
| Ontario | OEL TWA (ppm) | 10 ppm |
| Prince Edward Island | OEL TWA (ppm) | 10 ppm |
| Québec | VEMP (mg/m ³) | 49 mg/m ³ |
| Québec | VEMP (ppm) | 10 ppm |
| Saskatchewan | OEL STEL (ppm) | 15 ppm |
| Saskatchewan | OEL TWA (ppm) | 10 ppm |

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Vapors may be uninhibited and polymerize, causing blockage of vents. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Face shield.



Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical safety goggles and face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Avoid release to the environment.

Other Information: When using, do not eat, drink or smoke

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|---------------------------|--------------------------------|
| Physical State | : Liquid |
| Appearance | : Off-white |
| Odor | : Like acrylic |
| Odor Threshold | : Not available |
| pH | : Not available |
| Evaporation Rate | : Not available |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : 100 °C (212 °F) |
| Flash Point | : 8.9 °C (48.02 °F) Closed Cup |
| Auto-ignition Temperature | : Not available |



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| | | |
|--|---|-------------------------|
| Decomposition Temperature | : | Not available |
| Flammability (solid, gas) | : | Not available |
| Lower Flammable Limit | : | Not available |
| Upper Flammable Limit | : | Not available |
| Vapor Pressure | : | Not available |
| Relative Vapor Density at 20°C | : | Not available |
| Relative Density | : | Not available |
| Specific Gravity | : | 0.979 g/cm ³ |
| Solubility | : | Not available |
| Partition Coefficient: N-Octanol/Water | : | Not available |
| Viscosity | : | Not available |

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Product reacts violently or explosively with alkali metals, alkaline earth metals, various metal powders, strong alkalis, ammonia, and other incompatible materials. Reacts vigorously with water producing heat. Contact with metals and water liberates hydrogen.

Chemical Stability: Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture. Stabilized product.

Possibility of Hazardous Reactions: This product contains components that undergo hazardous polymerization, however, they are stabilized by the other ingredients. Hazardous polymerization can occur in contact with certain incompatible materials. Hazardous polymerization may occur if the substance is not stabilized. Hazardous polymerization may occur if exposed to high temperature.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Ammonia. Organic peroxides. Peroxides. Polymerization catalysts. Amines. Ultraviolet light. Light. Free radical initiators. Reducing agents. Heavy metal ions. Mineral acids. Iodides. Sulfides. Isocyanates.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.

Gorilla Weld contains Methacrylic Acid CAS No. 79-41-4 which, according to Annex 1, Table 3.2.3 of CLP carries the H314: corrosive classification. Product level dermal corrosivity testing for *Gorilla Weld* confirms the product is classified as a skin irritant rather than corrosive. Positive results in a valid and accepted skin corrosion test (Corrositex test) classifies the mixture as Non-corrosive utilizing multiple replicate samples indicating highly reproducible results. As a result, the health hazard and transport classification have been changed to reflect the Weld results: UN Non-Corrosive and not a GHS Category 1.

Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.



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Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Irritation of the respiratory tract and the other mucous membranes. May be corrosive to the respiratory tract. Symptoms of respiratory complications (lung edema) may occur several hours after exposure.

Symptoms/Injuries After Skin Contact: Causes severe irritation. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects. May cause gastrointestinal irritation.

Chronic Symptoms: None anticipated.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| | |
|--|--|
| Methyl methacrylate (80-62-6) | |
| LD50 Oral Rat | 8420 - 10000 mg/kg |
| LD50 Dermal Rabbit | 5000 - 7500 mg/kg |
| LC50 Inhalation Rat | 29 mg/l/4h |
| LC50 Inhalation Rat | 7093 ppm/4h |
| Methacrylic acid (79-41-4) | |
| LD50 Oral Rat | 1060 mg/kg |
| LD50 Dermal Rabbit | 500 - 1000 mg/kg |
| LC50 Inhalation Rat | 7.1 mg/l/4h |
| ATE US/CA (vapors) | 7.10 mg/l/4h |
| Cumene hydroperoxide (80-15-9) | |
| LD50 Oral Rat | 382 mg/kg |
| LD50 Dermal Rabbit | 0.126 ml/kg |
| LC50 Inhalation Rat | 220 ppm/4h |
| LC50 Inhalation Rat | 1.4 mg/l/4h |
| ATE US/CA (dermal) | 1,100.00 mg/kg body weight |
| ATE US/CA (dust, mist) | 0.50 mg/l/4h |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) | |
| LD50 Oral Rat | 1000 mg/kg |
| LD50 Dermal Rabbit | > 2000 mg/kg |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| LD50 Oral Rat | > 2930 mg/kg (Species: Sprague-Dawley) |
| LD50 Dermal Rat | > 2000 mg/kg |
| 1,1,2-Trichloroethane (79-00-5) | |
| LD50 Oral Rat | 836 mg/kg |
| LD50 Dermal Rabbit | 5371 mg/kg |
| LC50 Inhalation Rat | 2.78 mg/l (Exposure time: 8 h) |
| ATE US/CA (dermal) | 1,100.00 mg/kg body weight |
| Cumene (98-82-8) | |
| LD50 Oral Rat | 2260 mg/kg |
| LD50 Dermal Rabbit | 10000 mg/kg |



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| | |
|--|---|
| LC50 Inhalation Rat | 9.83 mg/l/4h |
| LC50 Inhalation Rat | > 3577 ppm (Exposure time: 6 h) |
| Acetophenone (98-86-2) | |
| LD50 Oral Rat | 900 mg/kg |
| LD50 Dermal Rabbit | 1760 mg/kg |
| Methyl methacrylate (80-62-6) | |
| IARC Group | 3 |
| Talc (14807-96-6) | |
| IARC Group | 3 |
| National Toxicology Program (NTP) Status | Evidence of Carcinogenicity. |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| IARC Group | 3 |
| 1,1,2-Trichloroethane (79-00-5) | |
| IARC Group | 3 |
| Cumene (98-82-8) | |
| IARC Group | 2B |
| National Toxicology Program (NTP) Status | Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen. |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

| | |
|--|--|
| Methyl methacrylate (80-62-6) | |
| LC50 Fish 1 | 243 - 275 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 69 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 125.5 - 190.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| Methacrylic acid (79-41-4) | |
| LC50 Fish 1 | 85 mg/l (Exposure Time: 96 h - Species: Oncorhynchus mykiss[flow-through]) |
| ErC50 (algae) | 14 mg/l |
| NOEC Chronic Crustacea | 53 mg/l |
| Cumene hydroperoxide (80-15-9) | |
| LC50 Fish 1 | 3.9 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| Talc (14807-96-6) | |
| LC50 Fish 1 | > 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static]) |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) | |
| LC50 Fish 1 | 3.85 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 3.63 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 6.81 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| EC50 Daphnia 1 | 0.48 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 Other Aquatic Organisms 2 | 0.43 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus) |
| 1,1,2-Trichloroethane (79-00-5) | |
| LC50 Fish 1 | 81.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 18 mg/l (Exposure time: 48 h - Species: Daphnia magna) |



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| | |
|-------------------------------|--|
| LC50 Fish 2 | 35 - 47 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 2 | 57 - 110 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| Cumene (98-82-8) | |
| LC50 Fish 1 | 6.04 - 6.61 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 Fish 2 | 4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |
| EC50 Daphnia 2 | 7.9 - 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| NOEC Chronic Crustacea | 0.35 mg/l |
| NOEC Chronic Algae | 0.22 mg/l |
| Acetophenone (98-86-2) | |
| LC50 Fish 1 | 162 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 Fish 2 | 155 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |

Persistence and Degradability

GORILLA WELD RESIN

Persistence and Degradability May cause long-term adverse effects in the environment.

Bioaccumulative Potential

GORILLA WELD RESIN

Bioaccumulative Potential Not established.

Methyl methacrylate (80-62-6)

Log Pow 0.7

Methacrylic acid (79-41-4)

Log Pow 0.93

Cumene hydroperoxide (80-15-9)

BCF Fish 1 35.5

Talc (14807-96-6)

BCF Fish 1 (no known bioaccumulation)

2,6-Di-tert-butyl-p-cresol (128-37-0)

BCF Fish 1 230 - 2500

Log Pow 4.17

1,1,2-Trichloroethane (79-00-5)

BCF Fish 1 0.7 - 6.7

Log Pow 1.89

Cumene (98-82-8)

BCF Fish 1 35.5

Log Pow 3.7

Acetophenone (98-86-2)

Log Pow 1.7

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations

Additional Information: Handle empty containers with care because residual vapors are flammable. Do not pressurize, cut, or weld containers.



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Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)
Hazard Class : 3
Identification Number : UN1993
Label Codes : 3
Packing Group : II
ERG Number : 128



In Accordance with IMDG

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)
Hazard Class : 3
Identification Number : UN1993
Label Codes : 3
Packing Group : II
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E



In Accordance with IATA

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)
Identification Number : 3
Hazard Class : UN1993
Label Codes : 3
Packing Group : II
ERG Code (IATA) : 3L



In Accordance with TDG

Proper Shipping Name : FLAMMABLE LIQUID, n.o.s.
(METHYL METHACRYLATE)
Hazard Class : 3
Identification Number : UN1993
Label Codes : 3
Packing Group : II



SECTION 15: REGULATORY INFORMATION

US Federal Regulations

| | |
|--|---|
| GORILLA WELD RESIN | |
| SARA Section 311/312 Hazard Classes | Fire hazard Immediate (acute) health hazard Reactive hazard |
| Methyl methacrylate (80-62-6) | |



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| | |
|--|--|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA |
| CERCLA RQ | 1000 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Methacrylic acid (79-41-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene (25053-09-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)) |
| 2-Propenoic acid, 2-methyl-, phosphinobis(oxy-2,1-ethanediyl) ester (32435-46-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Cumene hydroperoxide (80-15-9) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 10 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Talc (14807-96-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 1,1,2-Trichloroethane (79-00-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 100 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Cumene (98-82-8) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 5000 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Acetophenone (98-86-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA |
| CERCLA RQ | 5000 lb |
| SARA Section 313 - Emission Reporting | 1.0 % |
| US State Regulations | |
| 1,1,2-Trichloroethane (79-00-5) | |



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FOR CHEMICAL EMERGENCY
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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

| | |
|--|---|
| U.S. - California - Proposition 65 - Carcinogens List | WARNING: This product contains chemicals known to the State of California to cause cancer. |
|--|---|

| | |
|--|---|
| Cumene (98-82-8) | |
| U.S. - California - Proposition 65 - Carcinogens List | WARNING: This product contains chemicals known to the State of California to cause cancer. |

| | |
|---|--|
| Methyl methacrylate (80-62-6) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|--|--|
| Methacrylic acid (79-41-4) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|---|--|
| Cumene hydroperoxide (80-15-9) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|--|--|
| Talc (14807-96-6) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|--|--|
| 2,6-Di-tert-butyl-p-cresol (128-37-0) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|---|--|
| 1,1,2-Trichloroethane (79-00-5) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|---|--|
| Cumene (98-82-8) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

| | |
|---|--|
| Acetophenone (98-86-2) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

Canadian Regulations

| | |
|---|--|
| Methyl methacrylate (80-62-6) | |
| Listed on the Canadian DSL (Domestic Substances List) | |



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| |
|--|
| Methacrylic acid (79-41-4) |
| Listed on the Canadian DSL (Domestic Substances List) |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene (25053-09-2) |
| Listed on the Canadian DSL (Domestic Substances List) |
| 2-Propenoic acid, 2-methyl-, phosphinobis(oxy-2,1-ethanediyl) ester (32435-46-4) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Cumene hydroperoxide (80-15-9) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Talc (14807-96-6) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Benzenesulfonic acid, oxybis[dodecyl-, disodium salt (25167-32-2) |
| Listed on the Canadian DSL (Domestic Substances List) |
| 2,6-Di-tert-butyl-p-cresol (128-37-0) |
| Listed on the Canadian DSL (Domestic Substances List) |
| 1,1,2-Trichloroethane (79-00-5) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Cumene (98-82-8) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Acetophenone (98-86-2) |
| Listed on the Canadian DSL (Domestic Substances List) |

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 06/07/2018
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

GHS Full Text Phrases:

| | |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| Acute Tox. 3 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Carc. 2 | Carcinogenicity Category 2 |
| Comb. Dust | Combustible Dust |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |



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| | |
|---------------|---|
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Org. Perox. E | Organic Peroxide Category E |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT RE 2 | Specific target organ toxicity (repeated exposure) Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H242 | Heating may cause a fire |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H320 | Causes eye irritation |
| H331 | Toxic if inhaled |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

The information presented in this Safety Data Sheet was prepared by qualified personnel and to the best of our knowledge is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for this purpose. This data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which The Gorilla Glue Company assumes legal responsibility. The data is submitted for the user's information and consideration only. Any use of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.



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