

Material Safety Data Sheet

ITW Consumer - Devcon/Versachem

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REAR VIEW MIRROR ADHESIVE REPAIR KIT ADHESIVE

This product appears in the following stock number(s):

11109

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: REAR VIEW MIRROR ADHESIVE REPAIR KIT ADHESIVE

General use: The following health hazard data pertains to the adhesive component of a two-part system. When fully cured, the mixed product is non-hazardous

Chemical family: Polyethylene amine

MANUFACTURER

ITW Consumer - Devcon/Versachem
2107 West Blue Heron Blvd.
Riviera Beach, Florida 33404

EMERGENCY INFORMATION

Emergency telephone number
(CHEMTEL): (800) 255-3924
(CHEMTEL International): (+01) 813-248-0585
Other Calls: (561) 845-2425

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Abbr.	Weight%	ACGIH; TLV-TWA	OSHA PEL:	Other Limits
HIGH BOILING METHACRYLATE *	n/e	20-30		n/e	n/e
POLYUERTHANE OLIGIMER *	n/e	13-24		n/e	n/e
ACRYLIC IMPACT MODIFIER *	n/e	3-13		n/e	n/e
ALIPHATIC ACID 97-65-4	n/e	1-7		n/e	n/e
MALEIC ACID 110-16-7	n/e	1-5		n/e	n/e
T-BUTYL PEROXYBENZOATE 614-45-9	n/e	1-5		n/e	n/e
TRADE SECRET (Non-hazardous) MIXTURE	n/e	Balance		n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identify is a trade secret of our supplier and unknown to us.

3. HAZARDOUS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Translucent gel with mild odor

CAUTION!. Eye, skin and respiratory irritant.

Potential health effects

Primary Routes of Exposure: Eye. Skin. Inhalation (breathing)

Symptoms of acute overexposure

Skin: Moderate skin irritant .

Eyes: Moderate eye irritant (stinging, burning sensation, tearing, redness, swelling)

Inhalation: May cause mild respiratory irritation.

Ingestion: May be harmful if swallowed..

Effects of Chronic Exposure: None known.

Medical Conditions Recognized as Being Aggravated by Exposure:

Preexisting eye and skin disorders. Development of preexisting skin or lung allergy symptoms may increase.

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult

Ingestion: Rinse mouth with water several times Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person If spontaneous vomiting occurs, hold the victim's head lower than hips to prevent aspiration

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Media: Water, Carbon dioxide, Dry chemical, foam

Flash point: >200°F (93.3°C)

Method: PMCC

**Lower Explosive
Limit:** n/d

**Upper Explosive
Limit:** n/d

Special Fire-Fighting Procedures: Material will not burn unless preheated. Do not enter confined space without full bunker gear. Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact. Use water spray to cool exposed containers.

Unusual Fire/Explosion Hazards:

Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

Hazardous Products of Combustion:

Oxides of carbon, Oxides of nitrogen

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Avoid personal contact. Eliminate ignition sources. Ventilate area.

Containment: Dike, contain and absorb with clay, sand or other suitable material

Cleanup: For large spills, pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water.

Special procedures: Prevent spill from entering drainage/sewer systems, waterways and surface water.

7. HANDLING AND STORAGE

Handling precautions: Avoid contact with the skin and the eyes. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Handle mixed resin and hardener in accordance with the potential hazard of the curing agent used. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

Storage: Store in a cool, dry area. Store away from heat. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Other engineering controls: Have emergency shower and eye wash available.

Personal protective equipment

Eye and face protection: Chemical goggles if liquid contact is likely, or safety glasses with side shields

Skin protection: Chemical-resistant gloves (i.e. butyl) and other gear as required to prevent skin contact.

Respiratory protection: With good ventilation, none required. An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 1.06

Boiling Point: n/d

Melting point: n/d

Vapor Density (Air=1): >1

Vapor Pressure: 6 mmHg @ 86°F

Evaporation Rate: n/d

VOC: n/d

Solubility in water: Negligible

pH (5% solution or slurry in water): n/d

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization may occur.

Conditions to Avoid: Open flame and extreme heat.

Incompatibilities: Strong oxidizers, Amines, Strong Lewis or mineral acids

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

Conditions under which hazardous polymerization may occur: Heating.

11. TOXICOLOGICAL INFORMATION

Eye Contact: No data available.

Subchronic effects: No data available.

Carcinogenicity, teratogenicity and mutagenicity: No data available.

Other chronic effects: None known.

Toxicological information on hazardous chemical constituents of this product:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
HIGH BOILING METHACRYLATE	n/d	n/d	n/d

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
POLYUERTHANE OLIGIMER *	n/d	n/d	n/d
ACRYLIC IMPACT MODIFIER *	n/d	n/d	n/d
ALIPHATIC ACID 97-65-4	rat 2969 mg/kg	n/d	n/d
MALEIC ACID 110-16-7	708 mg/kg	1560 mg/kg	>0.72 mg/l/1hr
T-BUTYL PEROXYBENZOATE 614-45-9	1012 mg/kg	n/d	n/d
TRADE SECRET (Non-hazardous) MIXTURE	n/d	n/d	n/d

'n/d' = not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Mobility and persistence: No data available.

Environmental fate: No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Recommended Method of Disposal: If material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated

Technical name: N/A

Hazard class: N/A

UN/ID Number: N/A

Packing group: N/A

Emergency Response Guide no: N/A

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA:

All ingredients of this product are listed or are exempt from listing on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste:

None

Regulatory status of hazardous chemical constituents of this product:

Component	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
HIGH BOILING METHACRYLATE *	No	No	0.0	Not required

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Component	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
POLYURTHANE OLIGIMER *	No	No	0.0	Not required
ACRYLIC IMPACT MODIFIER *	No	No	0.0	Not required
ALIPHATIC ACID 97-65-4	No	No	0.0	Not required
MALEIC ACID 110-16-7	No	No	5000 pounds (2270 kg)	Not required
T-BUTYL PEROXYBENZOATE 614-45-9	No	No	0.0	Not required
TRADE SECRET (Non-hazardous) MIXTURE	No	No	0.0	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance List.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: Immediate health hazard

California regulations: For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), this product does not contain any chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Canadian Regulations

WHMIS Hazard Class: D2B TOXIC MATERIALS,
All components of this product are on the Domestic Substances List

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:

Health 2 Flammability 1 Physical Hazard 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Number: 2

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

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REAR VIEW MIRROR REPAIR KIT ACTIVATOR

This product appears in the following stock number(s):

11109

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: REAR VIEW MIRROR REPAIR KIT ACTIVATOR

General use: This information is for the activator component of a two-part kit. Once cured, this product is non-hazardous

Chemical family: Alcohol

MANUFACTURER

ITW Consumer - Devcon/Versachem
2107 West Blue Heron Blvd.
Riviera Beach, Florida 33404

EMERGENCY INFORMATION

Emergency telephone number
(CHEMTEL): (800) 255-3924
(CHEMTEL International): (+01) 813-248-0585
Other Calls: (561) 845-2425

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Abbr.	Weight%	ACGIH; TLV-TWA	OSHA PEL:	Other Limits
2-PROPANOL 67-63-0	IPA	>75	200 ppm	400 ppm TWA; 980 mg/m ³ TWA	400 ppm TWA Canada
ALDEHYDE-ANILINE CONDENSATE 68411-20-1	n/e	<25	Not listed	n/e	n/e
TRADE SECRET (Non-hazardous) MIXTURE	n/e	Balance	Not listed	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identify is a trade secret of our supplier and unknown to us.

3. HAZARDOUS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Amber liquid with alcohol odor

WARNING! Flammable. Eye, skin and respiratory irritant. May cause central nervous system effects.

Potential health effects

Primary Routes of Exposure: Eye. Skin. Inhalation (breathing)

Symptoms of acute overexposure

Skin: Has a drying effect; may irritate

Eyes: May cause severe eye irritation. Corneal injury may result.

Inhalation: Causes irritation of the mouth, nose, and throat. Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Ingestion: May cause gastric distress (nausea, vomiting, diarrhea).. May cause central nervous system effects.

Effects of Chronic Exposure: Repeated or prolonged exposure may irritate mucous membranes.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
2-PROPANOL 67-63-0	>75		A4 - Not classifiable as a human carcinogen	Group 3 Monograph 71, 1999; Supp.7, 1987; Monograph 15, 1977

Medical Conditions Recognized as Being Aggravated by Exposure:

Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

Other:

May effect mucous membranes, See Section 11

4. FIRST AID MEASURES

Eye Contact: Flush eyes with clean water for at least 20 minutes while gently holding eyelids open, lifting upper and lower lids.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, hold the victim's head lower than hips to prevent aspiration.

Notes to Physician: Eye: if pain, tears or redness continue, patient should contact ophthalmologist. Detoxification procedure: administer an aqueous slurry of activated charcoal followed by a cathartic such as magnesium citrate or sorbitol.

5. FIRE FIGHTING MEASURES

General fire and explosion characteristics: Flammable.

Recommended Extinguishing Media: Water, Carbon dioxide, Dry chemical, Foam

Flash point: 53°F (11.7°C)

Method: TCC

Lower Explosive Limit: 2%

Upper Explosive Limit: 12.7%

Special Fire-Fighting Procedures: Evacuated unprotected personnel. Fight fire from a distance as the heat may rupture the containers. Do not enter confined space without full bunker gear. Use water spray to cool exposed containers.

Unusual Fire/Explosion Hazards:

Closed containers may rupture or explode when exposed to extreme heat. Vapors may travel from container toward sources of ignition and flashback. Burning liquid may float on water.

Hazardous Products of Combustion:

Thermal decomposition will produce CO, CO2 and various unidentified organic compounds

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Avoid personal contact. Eliminate ignition sources. Ventilate area. Wear the appropriate personal protective equipment.

Containment: Dike, contain and absorb with clay, sand or other suitable material

Cleanup: For large spills, blanket with firefighting foam. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water.

Special procedures: Prevent spill from entering drainage/sewer systems, waterways and surface water. Use non-sparking tools. May biodegrade.

7. HANDLING AND STORAGE

Handling precautions: Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing and protective gear before reuse. Ground container when pouring. Use non-sparking tools. Material may attack some forms of plastic, aluminum, rubber and coatings.

Storage: Keep in cool and dark place. Avoid direct sunlight. Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C). Keep away from oxidizers. Keep containers closed when not in use. Maintain air space in storage containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

Ventilation:

Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits (or to the lowest feasible levels when limits have not been established). Although good general mechanical ventilation is usually adequate for most industrial applications, local exhaust ventilation is preferred (see ACGIH - Industrial Ventilation). Local exhaust may be required for confined areas (see OSHA CFR29 1910.146).

Other engineering controls: Have emergency shower and eye wash available. Keep container tightly closed. Observe label precautions.

Personal protective equipment

Eye and face protection: Safety glasses with side shields or splash-proof goggles are recommended Do not wear contact lenses

Skin protection: Chemical-resistant gloves (Neoprene, nitrile) and other gear as required to prevent skin contact.

Respiratory protection: A NIOSH/MSHA air purifying respirator with an organic vapor cartridge may be permissible, however use a positive pressure air supplied respirator if there is any potential for uncontrolled release, or unknown exposure levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 0.82

Boiling Point: 180°F

Melting point: n/d

Vapor Density (Air=1): >1

Vapor Pressure: 33 mmHg @ 68°F

Evaporation Rate: n/d

VOC: >75% by weight

Solubility in water: Soluble

pH (5% solution or slurry in water): n/d

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to Avoid: Strong oxidizing agents. Do not expose to heat or store at temperatures above 120 F.

Incompatibilities: Strong oxidizers, Amines, Strong lewis or mineral acids, Peroxides, Thiiosulphates

Hazardous Products of Combustion: Thermal decomposition will produce CO, CO2 and various unidentified organic compounds

Conditions under which hazardous polymerization may occur: None known.

11. TOXICOLOGICAL INFORMATION

Eye Contact: Severe eye irritant.

Subchronic effects: Rat and mouse inhalation toxicity: The subchronic NOAEL was 500 ppm based on clinical signs of CNS depression (both species) and increased body weight and blood effects (rat only) seen at 1500 ppm.

Carcinogenicity, teratogenicity and mutagenicity: In response to a TSCA test rule, several studies of IPA have now been completed. The studies and their are as follows: 1) Both mutagenicity studies, the mouse micronucleus and CHO assays, were negative. 2) Rat and rabbit oral teratogenicity and developmental toxicology: a) there was no evidence that IPA caused teratogenicity in rats or rabbits. b) Developmental toxicity was seen in rats at 1200 mg/kg (evidenced by body weight) while no developmental toxicity was seen in the rabbit study. For rats, the NOAEL was 400 mg/kg; for rabbits 480 mg/kg. This work also identified pregnant rabbits to be approximately eight times more sensitive to IPA's lethal effects than non-pregnant rabbits.

Other chronic effects: In rat inhalation neurotoxicity and oral developmental neurotoxicity studies, there was no evidence that IPA caused neurotoxicity in adults (max dose 5000 ppm) or offspring (max dose 1200 ppm).

Toxicological information on hazardous chemical constituents of this product:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
2-PROPANOL 67-63-0	4396 mg/kg	12800 mg/kg	72.6 mg/L/4H
ALDEHYDE-ANILINE CONDENSATE 68411-20-1	n/d	n/d	n/d
TRADE SECRET (Non-hazardous) MIXTURE	n/d	n/d	n/d

'n/d' = not determined

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12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Mobility and persistence: No data available.

Environmental fate: No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations..

US EPA Waste Number: D001.

14. TRANSPORT INFORMATION

Proper shipping name: Isopropanol (Isopropyl Alcohol)

Technical name: N/A

Hazard class: 3

UN/ID Number: 1219

Packing group: II

Emergency Response Guide no: 129

Other: *Depending upon the size and type of container, this material may be reclassified as "Consumer Commodity, ORM-D" for shipments within the United States, or "Limited Quantity" elsewhere. Refer to the appropriate regulation.

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA:

All ingredients of this product are listed or are exempt from listing on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste:

D001

Regulatory status of hazardous chemical constituents of this product:

Component	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
2-PROPANOL 67-63-0	No	No	0.0	Not required
ALDEHYDE-ANILINE CONDENSATE 68411-20-1	No	No	0.0	Not required
TRADE SECRET (Non-hazardous) MIXTURE	No	No	0.0	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance List.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: Immediate health hazard, Delayed health hazard, Fire hazard

California regulations: For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), this product does not contain any chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Canadian Regulations

WHMIS Hazard Class: B2 FLAMMABLE LIQUIDS, D2B TOXIC MATERIALS,

All components of this product are on the Domestic Substances List

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:

Health 2* Flammability 3 Physical Hazard 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

Revision Date: September 08, 2008

Revision Number: 3

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.