

Eagle One™ ALUMINUM WASH &
CLEANER EXPT FC WHEEL CLEANER
3506

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Ashland P.O. Box 2219 Columbus, OH 43216	Regulatory Information Number Telephone Emergency telephone number	1-800-325-3751 614-790-3333 1-800-ASHLAND (1-800-274-5263)
Product name	Eagle One™ ALUMINUM WASH & CLEANER EXPT FC WHEEL CLEANER	
Product code	3506	
Product Use Description	No data	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, Clear colorless

WARNING! MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE IRRITATION. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE DERMATITIS AND BURNS.

Potential Health Effects

Exposure routes

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact

Can cause severe eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure eye tissue.

Skin contact

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

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Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, lung (for example, asthma-like conditions), Liver, kidney

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), Difficulty in breathing, Bloody urine, blood abnormalities (breakage of red blood cells), kidney damage, liver damage, coma

Target Organs

Acute lethal exposure to ethylene glycol monobutyl ether in animal studies has resulted in congestion of organs including kidney, spleen, and lung. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible spleen effects, blood abnormalities

Carcinogenicity

Ethylene glycol monobutyl ether has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

Reproductive hazard

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous Components	CAS-No.	Concentration
ALCOHOL ETHOXYLATE		>=1.5-<5%
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	>=1-<1.5%
SODIUM ALKYLEETHER SULPHATE	68585-34-2	>=1-<1.5%

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: No information available.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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Dry chemical, Carbon dioxide (CO2), Water spray

Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons, Aldehydes, Ketones, Organic acids,
Sulphur oxides

Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Other information

Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

Store in a cool, dry, ventilated area, away from incompatible substances. Store in a cool, dry, ventilated area.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

ETHYLENE GLYCOL MONOBUTYL ETHER		111-76-2
ACGIH	time weighted average	20 ppm
NIOSH	Recommended exposure limit (REL):	5 ppm
NIOSH	Recommended exposure limit (REL):	24 mg/m ³
OSHA Z1	Permissible exposure limit	50 ppm
OSHA Z1	Permissible exposure limit	240 mg/m ³

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist. Maintain eye wash station near work area.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

Discard gloves that show tears, pinholes, or signs of wear.

Respiratory protection

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A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	no data available
Colour	Clear colorless
Odour	like fruit
Boiling point/boiling range	172 °F / 78 °C @ 760.00 mmHg
Melting point/range	no data available
Sublimation point	no data available
pH	7.5
Flash point	not applicable
Ignition temperature	no data available
Evaporation rate	no data available
Lower explosion limit/Upper explosion limit	no data available
Particle size	no data available
Vapour pressure	44.000 mmHg @ 68 °F / 20 °C
Relative vapour density	no data available
Density	1.015 g/cm ³
Bulk density	No data
Water solubility	no data available
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
log Pow	no data available
Autoignition temperature	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	no data available
Solids in Solution	no data available
Decomposition temperature	no data available
Burning number	no data available
Dust explosion constant	no data available
Minimum ignition energy	no data available

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10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Do not allow evaporation to dryness.

Incompatible products

Acids, Amines, Ammonia, Bases, chlorates, Chlorine, salts of strong bases, Strong oxidizing agents, strong reducing agents

Hazardous decomposition products

Aldehydes, carbon dioxide and carbon monoxide, ketones, Organic acids, Hydrocarbons, Sulphur oxides

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

ALCOHOL ETHOXYLATE : LD50 rat: > 2,000 mg/kg

ETHYLENE GLYCOL MONOBUTYL ETHER : LD 50 Guinea pig: 1.2 g/kg

SODIUM ALKYLETHER SULPHATE : LD 50 Rat: 7,700 mg/kg

Acute inhalation toxicity

ALCOHOL ETHOXYLATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : LC 50 Guinea pig: > 633 ppm; 1 h

SODIUM ALKYLETHER SULPHATE : no data available

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Acute dermal toxicity

ALCOHOL ETHOXYLATE : LD 50
Rat:
3,300 mg/kg

ETHYLENE GLYCOL MONOBUTYL ETHER : LD 50
Rabbit:
400 - 500 mg/kg
LD 50
Guinea pig:
> 2,000 mg/kg

SODIUM ALKYLETHER SULPHATE : no data available

12. ECOLOGICAL INFORMATION

Biodegradability

ALCOHOL ETHOXYLATE : Expected to be biodegradable

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Bioaccumulation

ALCOHOL ETHOXYLATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Ecotoxicity effects

Toxicity to fish

ALCOHOL ETHOXYLATE : 96 h Pimephales promelas (fathead minnow): 8.50
mg/l ; Based on a similar product formulation.

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

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SODIUM ALKYLETHER SULPHATE : no data available

Toxicity to daphnia and other aquatic invertebrates.

ALCOHOL ETHOXYLATE : Daphnia: 5.30 mg/l Based on a similar product formulation.

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Toxicity to algae

ALCOHOL ETHOXYLATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Toxicity to bacteria

ALCOHOL ETHOXYLATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Biochemical Oxygen Demand (BOD)

ALCOHOL ETHOXYLATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Chemical Oxygen Demand (COD)

ALCOHOL ETHOXYLATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

Additional ecological information

ALCOHOL ETHOXYLATE : no data available

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ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM ALKYLETHER SULPHATE : no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /LTD. QTY.
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U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

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INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.	FORMALDEHYDE 1,4-DIOXANE
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SARA Hazard Classification

Acute Health Hazard

SARA 313 Component(s)

ETHYLENE GLYCOL MONOBUTYL ETHER 1.23 %

New Jersey RTK Label Information

WATER	7732-18-5
ALCOHOL ETHOXYLATE	
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
SODIUM ALKYLEETHER SULPHATE	68585-34-2

Pennsylvania RTK Label Information

WATER	7732-18-5
ALCOHOL ETHOXYLATE	
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2

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Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	n (Negative listing)
Japan. Kashin-Hou Law List	n (Negative listing)
Korea. Toxic Chemical Control Law (TCCL) List	n (Negative listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302) 266666 lbs

Reportable quantity-Components

DIETHANOLAMINE 111-42-2 100 lbs

	HMIS	NFPA
Health	2	2
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).