

Eagle One™ A2Z ALL WHEEL & TIRE
CLEANER
576783

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

| | | |
|--------------------|-------------------------------|--------------------------------|
| Ashland | Regulatory Information Number | 1-800-325-3751 |
| P.O. Box 2219 | Telephone | 614-790-3333 |
| Columbus, OH 43216 | Emergency telephone number | 1-800-ASHLAND (1-800-274-5263) |

Product name Eagle One™ A2Z ALL WHEEL & TIRE CLEANER

Product code 576783
Product Use Description No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: aerosol

DANGER! CONTENTS UNDER PRESSURE. MAY BE HARMFUL. MAY CAUSE SEVERE BURNS OF RESPIRATORY AND DIGESTIVE TRACTS. CAUSES SEVERE BURNS OF THE EYES AND SKIN.

Potential Health Effects

Exposure routes

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

Eye contact

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

Skin contact

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage.

Ingestion

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing

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this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

Inhalation

Breathing aerosol and/or mist is possible when material is sprayed. Aerosol and mist may present a greater risk of injury because more material may be present in the air than from vapor alone. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract. 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), Upper respiratory tract

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), Cough, Difficulty in breathing, lung edema (fluid buildup in the lung tissue), lung damage, damage to the mouth, throat, and/or airways, shock

Target Organs

Frequent ingestion of silicates over long periods of time is associated with the formation of stones in the kidney and urinary tract in humans.

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

Reproductive hazard

This material (or a component) has been shown to cause birth defects 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

| Hazardous Components | CAS-No. | Concentration |
|-----------------------------|----------------|----------------------|
|-----------------------------|----------------|----------------------|

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| | | |
|--|------------|-----------|
| PETROLEUM GASES, LIQUIEFIED, SWEETENED | 68476-86-8 | >=10-<15% |
| ALCOHOLS, C6-12, ETHOXYLATED | 68439-45-2 | >=5-<10% |
| SODIUM 1-OCTANESULFONATE | 5324-84-5 | >=1.5-<5% |
| SODIUM XYLENE SULFONATE | 1300-72-7 | >=1.5-<5% |
| SODIUM METASILICATE | 6834-92-0 | >=1.5-<5% |
| ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT | 64-02-8 | >=1-<1.5% |

4. FIRST AID MEASURES

Eyes

If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention.

Skin

Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and discard contaminated shoes.

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, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Notes to physician

Hazards: No information available.

Treatment: No information available.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO₂), Dry chemical

Hazardous combustion products

carbon dioxide and carbon monoxide, sulfur compounds, Carbon oxides, nitrogen oxides (NO_x), toxic fumes

Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. 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. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

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. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Other information

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

7. HANDLING AND STORAGE

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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. Maximum recommended storage temperature 50 degrees C (122 degrees F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

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. Mechanical ventilation systems used to ventilate corrosive storage or process areas must be designed with components that are corrosion resistant.

Eye protection

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

Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).

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

Wear appropriate chemical impervious clothing and boots whenever there is potential for skin contact with product. Launder clothing before reuse. Maintain safety shower at all locations where skin contact could occur. Contact your local safety equipment supplier to assist the facility in determining proper selection of personal protective equipment for the applications/operations present at your facility.

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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 | aerosol |
| Form | no data available |
| Colour | no data available |
| Odour | no data available |
| Boiling point/boiling range | no data available |
| Melting point/range | no data available |
| Sublimation point | no data available |
| pH | no data available |
| 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 | 23.333 hPa @ 68 °F / 20 °C Calculated Vapor Pressure |
| Relative vapour density | no data available |
| Density | No data |
| Bulk density | No data |
| Water solubility | no data available |
| Solubility | 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 |

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| Dust explosion constant | no data available |
| Minimum ignition energy | no data available |

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Heat, flames and sparks.

Incompatible products

Acids, aluminum salts, Lead, Tin, Zinc, reactive metals such as aluminum and magnesium, steel, strong mineral acids, Strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide, sulfur compounds, Carbon oxides, nitrogen oxides (NOx), toxic fumes

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

| | |
|---------------------------------------|--------------------------------|
| PETROLEUM GASES, LIQUIFIED, SWEETENED | : no data available |
| ALCOHOLS, C6-12, ETHOXYLATED | : LD 50 Rat: > 528 mg/kg |
| SODIUM 1-OCTANESULFONATE | : no data available |
| SODIUM XYLENE SULFONATE | : LD 50 Rat: 4,000 mg/kg |
| SODIUM METASILICATE | : LD 50 Rat: 1,153 mg/kg |
| ETHYLENEDIAMINETETRAACETIC ACID, | : LD 50 Rat: 630 - 1,260 mg/kg |

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TETRASODIUM SALT

Acute inhalation toxicity

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : no data available

Acute dermal toxicity

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : LD 50
Rabbit:
> 5,000 mg/kg

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|-----------------------------------|
| 12. ECOLOGICAL INFORMATION |
|-----------------------------------|

Biodegradability

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

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SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : no data available

Bioaccumulation

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : no data available

Ecotoxicity effects

Toxicity to fish

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : 96 h LC 50 Bluegill (*Lepomis macrochirus*): 472.00 -
500.00 mg/l Method: Static; Mortality

Toxicity to daphnia and other aquatic invertebrates.

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

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|--|--|
| SODIUM XYLENE SULFONATE | : no data available |
| SODIUM METASILICATE | : no data available |
| ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT | : 24 h EC 50 Water flea (Daphnia magna): 570.00 - 640.00 mg/l Mortality |

Toxicity to algae

| | |
|--|---------------------|
| PETROLEUM GASES, LIQUIEFIED, SWEETENED | : no data available |
| ALCOHOLS, C6-12, ETHOXYLATED | : no data available |
| SODIUM 1-OCTANESULFONATE | : no data available |
| SODIUM XYLENE SULFONATE | : no data available |
| SODIUM METASILICATE | : no data available |
| ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT | : no data available |

Toxicity to bacteria

| | |
|--|---------------------|
| PETROLEUM GASES, LIQUIEFIED, SWEETENED | : no data available |
| ALCOHOLS, C6-12, ETHOXYLATED | : no data available |
| SODIUM 1-OCTANESULFONATE | : no data available |
| SODIUM XYLENE SULFONATE | : no data available |
| SODIUM METASILICATE | : no data available |
| ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT | : no data available |

Biochemical Oxygen Demand (BOD)

| | |
|--|---------------------|
| PETROLEUM GASES, LIQUIEFIED, SWEETENED | : no data available |
| ALCOHOLS, C6-12, ETHOXYLATED | : no data available |
| SODIUM 1-OCTANESULFONATE | : no data available |
| SODIUM XYLENE SULFONATE | : no data available |
| SODIUM METASILICATE | : no data available |

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ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : no data available

Chemical Oxygen Demand (COD)

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : no data available

Additional ecological information

PETROLEUM GASES, LIQUIEFIED, SWEETENED : no data available

ALCOHOLS, C6-12, ETHOXYLATED : no data available

SODIUM 1-OCTANESULFONATE : no data available

SODIUM XYLENE SULFONATE : no data available

SODIUM METASILICATE : no data available

ETHYLENEDIAMINETETRAACETIC ACID,
TETRASODIUM SALT : no data available

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| 13. DISPOSAL CONSIDERATIONS |
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Waste disposal methods

For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

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| 14. TRANSPORT INFORMATION |
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REGULATION

ASHLAND

SAFETY DATA SHEET

Page: 12
Revision Date: 08/24/2010
Print Date: 5/11/2012
MSDS Number: 000000038046
Version: 2.0

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| ID NUMBER | PROPER SHIPPING NAME | *HAZARD CLASS | SUBSIDIARY HAZARDS | PACKING GROUP | MARINE POLLUTANT / LTD. QTY. |
|--------------|----------------------|------------------|-----------------------|------------------|------------------------------------|
|--------------|----------------------|------------------|-----------------------|------------------|------------------------------------|

U.S. DOT - ROAD

| | | | | | |
|--|------------------------------|-----|--|--|--|
| | ORM-D, CONSUMER COMMODITY | ORM | | | |
|--|------------------------------|-----|--|--|--|

U.S. DOT - RAIL

| | | | | | |
|--|------------------------------|-----|--|--|--|
| | ORM-D, CONSUMER COMMODITY | ORM | | | |
|--|------------------------------|-----|--|--|--|

U.S. DOT - INLAND WATERWAYS

| | | | | | |
|--|------------------------------|-----|--|--|--|
| | ORM-D, CONSUMER COMMODITY | ORM | | | |
|--|------------------------------|-----|--|--|--|

TRANSPORT CANADA - ROAD

| | | | | | |
|----|------|----------|-----|--|--|
| UN | 1950 | AEROSOLS | 2.1 | | |
|----|------|----------|-----|--|--|

TRANSPORT CANADA - RAIL

| | | | | | |
|----|------|----------|-----|--|--|
| UN | 1950 | AEROSOLS | 2.1 | | |
|----|------|----------|-----|--|--|

TRANSPORT CANADA - INLAND WATERWAYS

| | | | | | |
|----|------|----------|-----|--|--|
| UN | 1950 | AEROSOLS | 2.1 | | |
|----|------|----------|-----|--|--|

INTERNATIONAL MARITIME DANGEROUS GOODS

| | | | | | |
|----|------|----------|-----|--|---------------------|
| UN | 1950 | AEROSOLS | 2.1 | | LIMITED QUANTITY |
|----|------|----------|-----|--|---------------------|

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

| | | | | | |
|----|------|---------------------|-----|--|--|
| UN | 1950 | Aerosols, flammable | 2.1 | | |
|----|------|---------------------|-----|--|--|

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

| | | | | | |
|----|------|---------------------|-----|--|--|
| UN | 1950 | Aerosols, flammable | 2.1 | | |
|----|------|---------------------|-----|--|--|

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

| | | | | | |
|----|------|----------|---|--|---------------------|
| UN | 1950 | AEROSOLS | 2 | | LIMITED QUANTITY |
|----|------|----------|---|--|---------------------|

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

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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

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

SARA Hazard Classification

Acute Health Hazard

Fire Hazard

Sudden Release of Pressure Hazard

New Jersey RTK Label Information

WATER

7732-18-5

PETROLEUM GASES, LIQUEFIED, SWEETENED

68476-86-8

ALCOHOLS, C6-12, ETHOXYLATED

68439-45-2

SODIUM 1-OCTANESULFONATE

5324-84-5

SODIUM XYLENE SULFONATE

1300-72-7

Pennsylvania RTK Label Information

WATER

7732-18-5

PETROLEUM GASES, LIQUEFIED, SWEETENED

68476-86-8

ALCOHOLS, C6-12, ETHOXYLATED

68439-45-2

Notification status

EU. EINECS

y (positive listing)

US. Toxic Substances Control Act

y (positive listing)

Australia. Industrial Chemical (Notification and Assessment) Act

y (positive listing)

Canada. Canadian Environmental Protection Act (CEPA).

y (positive listing)

Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)

Japan. Kashin-Hou Law List

n (Negative listing)

Korea. Toxic Chemical Control Law (TCCL) List

y (positive listing)

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act

y (positive listing)

China. Inventory of Existing Chemical Substances

y (positive listing)

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| | HMIS | NFPA |
|------------------|------|------|
| Health | 3 | 3 |
| Flammability | 2 | 2 |
| 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).