

ASHLAND

SAFETY DATA SHEET

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MSDS Number: R0405440
Version: 1.8

EAGLE ONE® EXTREME PREP 1
LOW pH PRE-SOAK CBOOAE110-
09-CP

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	1-800-ASHLAND (1-800-274-5263)
Product name	EAGLE ONE® EXTREME PREP 1 LOW pH PRE-SOAK	
Product code	CBOOAE110-09-CP	
Product Use Description	No data	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, light yellow

DANGER! 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

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 this material may cause burns and destroy tissue in the

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mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). 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)

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, Shortness of breath, lung edema (fluid buildup in the lung tissue)

Target Organs

No data

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 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

Components	CAS-No.	Concentration
HYDROXYACETIC ACID	79-14-1	>=5-<10%
SULFAMIC ACID	5329-14-6	>=1.5-<5%

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Components	CAS-No.	Concentration
SODIUM SULFONATE C14-C16	68439-57-6	>=1.5-<5%
ALKANE HYDROXY		

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 decontaminate or discard contaminated shoes.

Ingestion

Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. 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: Pulmonary edema may be delayed.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

regular foam (such as AFFF), Carbon dioxide (CO₂), Dry chemical

Hazardous combustion products

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acid vapors, carbon dioxide and carbon monoxide, Hydrogen, Ammonia, nitrogen oxides (NO_x), sulfur oxides, hydrogen sulfide

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 liquid with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Persons not wearing proper personal protective equipment should be excluded from area of spill.

Environmental precautions

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

Methods for cleaning up

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

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. Avoid prolonged or repeated contact.

Storage

Store in closed containers in a dry, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

General advice

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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 near 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.

Respiratory protection

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

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Colour	light yellow
Odour	No data
Boiling point/boiling range	212.00 °F / 212 °F@ 760.00 mmHg
pH	(<) 1
Flash point	No data
Evaporation rate	No data
Explosion limits	No data
Vapour pressure	23.33 hPa @ 68 °F / 20 °C
Vapour density	No data
Density	No data 8.75 lb/gal @ 60.00 °F / 15.56 °C
Solubility	No data
Partition coefficient: n-octanol/water	No data
log Pow	no data available
Autoignition temperature	No data

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

excessive heat

Incompatible products

Cyanides, hypochlorites, maleic anhydride, peracetic acid, Strong acids, strong alkalis, strong bases, strong bleaching agents, strong mineral acids, Strong oxidizing agents, sulfides

Hazardous decomposition products

acid vapors, carbon dioxide and carbon monoxide, Hydrogen, Ammonia, nitrogen oxides (NO_x), Sulphur oxides, hydrogen sulfide

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

HYDROXYACETIC ACID	LD 50 Rat: 1,950 mg/kg
SULFAMIC ACID	LD 50 Rat: 3,160 mg/kg
SODIUM SULFONATE C14-C16 ALKANE HYDROXY	LD 50 Rat: 3,800 mg/kg

Acute inhalation toxicity

HYDROXYACETIC ACID	LC 50 Rat: 7,100 mg/m ³ , 4 h
SULFAMIC ACID	no data available
SODIUM SULFONATE C14-C16 ALKANE HYDROXY	no data available

Acute dermal toxicity

HYDROXYACETIC ACID	no data available
SULFAMIC ACID	no data available
SODIUM SULFONATE C14-C16 ALKANE HYDROXY	LD 50 Rabbit: 6,300 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acute and Prolonged Toxicity to Fish

No data

Acute Toxicity to Aquatic Invertebrates

No data

Environmental fate and pathways

No data

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

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

14. TRANSPORT INFORMATION

IMDG:

UN1760, CORROSIVE LIQUID, N.O.S. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

IATA_P:

UN1760, Corrosive liquid, n.o.s. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

IATA_C:

UN1760, Corrosive liquid, n.o.s. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

CFR_ROAD:

UN1760, Corrosive liquids, n.o.s. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

CFR_RAIL:

UN1760, Corrosive liquids, n.o.s. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

CFR_INWTR:

UN1760, Corrosive liquids, n.o.s. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

IMDG_ROAD:

UN1760, CORROSIVE LIQUID, N.O.S. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

IMDG_RAIL:

UN1760, CORROSIVE LIQUID, N.O.S. (GLYCOLIC ACID, SULFAMIC ACID) 8, II

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

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SARA Hazard Classification Acute Health Hazard

New Jersey RTK Label Information

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WATER	7732-18-5
CONTENTS PARTIALLY UNKNOWN	
HYDROXYACETIC ACID	79-14-1
SULFAMIC ACID	5329-14-6
SODIUM SULFONATE C14-C16 ALKANE HYDROXY	68439-57-6

Pennsylvania RTK Label Information

WATER	7732-18-5
CONTENTS PARTIALLY UNKNOWN	
HYDROXYACETIC ACID	79-14-1
SULFAMIC ACID	5329-14-6
SODIUM SULFONATE C14-C16 ALKANE HYDROXY	68439-57-6

Reportable quantity - Components

HYDROXYACETIC ACID	79-14-1	none
SULFAMIC ACID	5329-14-6	none
SODIUM SULFONATE C14-C16	68439-57-6	none
ALKANE HYDROXY		

	Health	Flammability	Reactivity	Other
HMIS	3	0		
NFPA	3	0	0	

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).