

EAGLE ONE® CITRUS PREP HIGH
pH PRE-SOAK CBOOAE207-05-S5

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® CITRUS PREP HIGH pH PRE-SOAK
Product code	CBOOAE207-05-S5
Product Use Description	No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid,, 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. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

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:., metallic taste, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough, shortness of breath, difficult breathing, kidney damage, liver damage, lung damage

Target Organs

Studies with rabbits indicate that sustained, occluded skin contact with undiluted surfactant may result in the development of inflammatory changes in the lung., Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:., kidney damage, liver damage

Carcinogenicity

There is no information available. The chance of this material causing cancer is unknown. 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

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Components	CAS-No.	Concentration
ALCOHOL ETHOXYLATE		>=1.5-<5%
SODIUM XYLENE SULFONATE	1300-72-7	>=1.5-<5%
INORGANIC SALT	NJTS# 254504001-5179	>=1.5-<5%
GLYCOL ETHER	NJTS# 254504001-5451	>=1.5-<5%
TRISODIUM PHOSPHATE	7601-54-9	>=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 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: No information available.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

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Water mist, Carbon dioxide (CO2), Dry chemical

Hazardous combustion products

May form:, carbon dioxide and carbon monoxide, various hydrocarbons

Precautions for fire-fighting

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Flammability Class for Flammable Liquids

Combustible Liquid Class IIIB

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. 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.

Storage

Store in a cool, dry, ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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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.

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
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Physical state	liquid
Form	No data
Colour	yellow
Odour	fruity
Boiling point/boiling range	100.00 °C / 212 °F@ 1,013.33 hPa
pH	13
Flash point	(>)200.1 °F / 93.4 °C
Evaporation rate	No data
Explosion limits	1.3 %(V) 16.9 %(V)
Vapour pressure	23.33 hPa @ 68 °F / 20 °C
Vapour density	No data
Density	1.04 g/cm ³ @ 70.00 °F / 21.11 °C 8.68 lb/gal @ 70.00 °F / 21.11 °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

None known.

Incompatible products

Avoid contact with:, strong acids, strong oxidizing agents

Hazardous decomposition products

May form:, carbon dioxide and carbon monoxide, various hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

ALCOHOL ETHOXYLATE	no data available
SODIUM XYLENE SULFONATE	LD 50 Rat: 4,000 mg/kg
INORGANIC SALT	LD 50 Rat: 1,153 mg/kg
GLYCOL ETHER	LD 50 Rat: 2,504 mg/kg
TRISODIUM PHOSPHATE	LD 50 Rat: 4,150 mg/kg

Acute inhalation toxicity

ALCOHOL ETHOXYLATE	no data available
SODIUM XYLENE SULFONATE	no data available
INORGANIC SALT	no data available
GLYCOL ETHER	LC 50 Rat: > 2230 ppm, 6 h
TRISODIUM PHOSPHATE	no data available

Acute dermal toxicity

ALCOHOL ETHOXYLATE	no data available
SODIUM XYLENE SULFONATE	no data available
INORGANIC SALT	no data available
GLYCOL ETHER	LD 50 Rabbit: 3,550 mg/kg
TRISODIUM PHOSPHATE	LD 50 Rabbit: > 7,940 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

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Waste disposal methods

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:

UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE,) 8, II

IATA_P:

UN3266, Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE,) 8, II

IATA_C:

UN3266, Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE,) 8, II

CFR_ROAD:

UN3266, Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE,) 8, II

CFR_RAIL:

UN3266, Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE,) 8, II

CFR_INWTR:

UN3266, Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE,) 8, II

IMDG_ROAD:

UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE,) 8, II

IMDG_RAIL:

UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE,) 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.

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SARA Hazard Classification Acute Health Hazard

New Jersey RTK Label Information

WATER	7732-18-5
ALCOHOL ETHOXYLATE	
SODIUM XYLENE SULFONATE	1300-72-7
INORGANIC SALT	NJTS 254504001-5179
GLYCOL ETHER	NJTS 254504001-5451
TRISODIUM PHOSPHATE	7601-54-9

Pennsylvania RTK Label Information

WATER	7732-18-5
ALCOHOL ETHOXYLATE	
SODIUM XYLENE SULFONATE	1300-72-7
TRISODIUM PHOSPHATE	7601-54-9

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302)	416250 lbs
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Reportable quantity - Components

ALCOHOL ETHOXYLATE		none
SODIUM XYLENE SULFONATE	1300-72-7	none
INORGANIC SALT	NJTS# 254504001-5179	none
GLYCOL ETHER	NJTS# 254504001-5451	none
TRISODIUM PHOSPHATE	7601-54-9	5000 lbs

	Health	Flammability	Reactivity	Other
HMIS	3	1	0	
NFPA	3	1	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).