

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001

Date Prepared: 05/26/04

Date Printed: 09/02/06

MSDS No: 510.0399697-001.001

HOT WATER PRE-SOAK - AE210

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: HOT WATER PRE-SOAK - AE210

Company

The Valvoline Company
P.O. Box 14000
Lexington, KY 40512

Telephone Numbers

Emergency: 1-800-274-5263
Information: 1-859-357-7206

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
SODIUM HYDROXIDE	1310-73-2	0.0- 10.0
ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM	64-02-8	0.0- 10.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Material is corrosive to eyes. May cause burns. Can cause severe eye irritation and injure eye tissue.

Skin

Can cause skin burns and other permanent skin damage. The feeling of irritation or pain may not occur until several hours after the exposure. Additional symptoms of skin contact may include: hair loss, 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.

Swallowing

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation, burns and tissue damage. Shock may occur. Exposure causes severe irritation of the gastrointestinal tract.

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Inhalation

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

Symptoms of Exposure

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

Target Organ Effects

No data

Developmental Information

There are no data available for assessing risk to the fetus from maternal exposure to this material.

Cancer Information

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

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin contact, Eye contact, Ingestion.

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.

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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.

Swallowing

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

First aid is not normally required. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES

Flash Point

No data

Explosive Limit

No data

Autoignition Temperature

No data

Hazardous Products of Combustion

No data

Fire and Explosion Hazards

No data

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Extinguishing Media

Use an extinguishing media appropriate for surrounding fire.

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health - 3, Flammability - 0, Reactivity - 1

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper personal protective equipment should be excluded from area of spill. Scoop or vacuum transfer spilled product to clean containers for recovery.

Large Spill

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. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

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.

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Storage

Keep from freezing. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110 deg F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin Protection

Wear resistant gloves such as: neoprene, nitrile rubber, To prevent skin contact, wear impervious full-body protective clothing.

Respiratory Protections

Not required under normal conditions of use.

Engineering Controls

Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV (s).

Exposure Guidelines

Component

SODIUM HYDROXIDE (1310-73-2)

OSHA VPEL 2.000 mg/m3 - Ceiling

ACGIH TLV 2.000 mg/m3 - Ceiling

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT (64-02-8)

No exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

No data

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Vapor Pressure

No data

Specific Vapor Density

No data

Specific Gravity

1.100 @ 72.00 F

Liquid Density

9.140 lbs/gal @ 60.00 F

9.140 lbs/gal @ 60.00 F

Percent Volatiles (Including Water)

No data

Evaporation Rate

No data

Appearance

CLEAR, COLORLESS SOLUTION

State

LIQUID

Physical Form

No data

Color

COLORLESS

Odor

No data

pH

13.4

Solubility in Water

COMPLETE

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10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

No data

Chemical Stability

Stable.

Incompatibility

Avoid contact with: acids, organic materials, Can react with chemically reactive metals such as aluminum, zinc, magnesium, copper etc. to release hydrogen gas which can form explosive mixtures with air.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

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

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

CAUSTIC ALKALI LIQUIDS, N.O.S., 8, UN1719, II

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Container/Mode:

CASES/SURFACE - NO EXCEPTIONS

NOS Component:

SODIUM HYDROXIDE

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs) Component

20000 SODIUM HYDROXIDE

15. REGULATORY INFORMATION

US Federal Regulations

CERCLA RQ - 40 CFR 302.4

Component

Component

SODIUM HYDROXIDE

1000

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed() Fire() Reactive() Sudden
Release of Pressure()

SARA 313 Components - 40 CFR 372.65

None

International Regulations

Inventory Status

Not determined

State and Local Regulations

California Proposition 65

None

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New Jersey RTK Label Information

SODIUM HYDROXIDE

1310-73-2

Pennsylvania RTK Label Information

SODIUM HYDROXIDE (NA(OH))

1310-73-2

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.