

MAC1400

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001

Date Prepared: 01/14/02

Date Printed: 05/01/02

MSDS No: 503.0173237-007.008

NAPA RADIATOR CLEANER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: NAPA RADIATOR CLEANER

SAP Material No: NM1400

General or Generic ID: INORGANIC SALTS MIXTURE

Company

Telephone Numbers

The Valvoline Company

Emergency: 1-800-274-5263

P.O. Box 14000

Information: 1-859-357-7206

Lexington, KY 40512

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)

CAS Number

% (by weight)

SODIUM CARBONATE

497-19-8 48.0- 58.0

SODIUM BISULFITE

7681-57-4 33.0- 43.0

TRISODIUM PHOSPHATE ANHYDROUS

7601-54-9 2.0- 12.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation.

Skin

Can cause skin irritation.

Swallowing

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

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Inhalation

This material is a dust or may produce dust.

Symptoms of Exposure

stomach or intestinal upset (nausea, vomiting, diarrhea),
irritation (nose, throat, airways).

Target Organ Effects

No data

Developmental Information

No data

Cancer Information

No data

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin contact.

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. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

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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

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.

Note to Physicians

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin.

5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

Explosive Limit

Not applicable

Autoignition Temperature

No data

Hazardous Products of Combustion

No data

Reactivity and Explosion Hazards

No data

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Extinguishing Media

regular foam, water fog.

Fire Fighting Instructions

No special precautions necessary when fighting fires involving this product.

NFPA Rating

Health - 1, Flammability - 0, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Sweep up material for disposal or recovery.

Large Spill

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual 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

Not applicable

EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

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

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Skin Protection

Wear resistant gloves such as: neoprene, Wear normal work clothing covering arms and legs..

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

SODIUM CARBONATE (497-19-8)

No exposure limits established

SODIUM BISULFITE (7681-57-4)

OSHA VPEL 5.000 mg/m3 - TWA

ACGIH TLV 5.000 mg/m3 - TWA

TRISODIUM PHOSPHATE ANHYDROUS (7601-54-9)

exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

Not applicable

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Vapor Pressure

Not applicable

Specific Vapor Density

> 1.000 @ AIR=1

Specific Gravity

No data

Liquid Density

Not applicable

Percent Volatiles (Including Water)

No data

Evaporation Rate

Not applicable

Appearance

No data

State

SOLID

Physical Form

POWDER

Color

WHITE

Odor

No data

pH

Not applicable

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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: strong mineral acids.

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:

Not Regulated

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Container/Mode:

CASES/SURFACE - NO EXCEPTIONS

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4

Component

Component

TRISODIUM PHOSPHATE

5000

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

DSL (CANADA) The intentional ingredients of this product are listed.

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State and Local Regulations

California Proposition 65

None

New Jersey RTK Label Information

SODIUM METABISULFITE

7681-57-4

SODIUM PHOSPHATE, TRIBASIC

7601-54-9

Pennsylvania RTK Label Information

DISULFUROUS ACID, DISODIUM SALT

7681-57-4

PHOSPHORIC ACID, TRISODIUM SALT

7601-54-9

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.