



The Valvoline Company Date Prepared: 05/28/96  
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 MSDS No: 503.0172223-006.0011  
 NAPA NUMBER 13 RADIATOR ANTI-RUST

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity  
 Product Name: NAPA NUMBER 13 RADIATOR ANTI-RUST  
 General or Generic ID: BLEND

Company	Telephone Numbers
The Valvoline Company P.O. Box 14000 Lexington, KY 40512	Emergency: 1-800-274-5263 Information: 1-606-357-7847

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#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ALIPHATIC PETROLEUM DISTILLATES	64742-53-6	13.1
SODIUM PETROLEUM SULFONATE		3.6
NONYLPHENOL POLYETHOXYLATE	9016-45-9	1.1

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#### 3. HAZARDS IDENTIFICATION

##### Potential Health Effects

**Eye**  
 May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**Skin**  
 May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

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

**Inhalation**  
 Breathing of vapor or mist is possible.

**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**  
 Skin contact.

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#### 4. FIRST AID MEASURES

**Eyes**  
 If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

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

**Swallowing**

Do not induce vomiting. This material is an aspiration hazard.  
If individual is drowsy or unconscious, place on left side with the head down. Seek medical attention. If possible, do not leave individual unattended.

**Inhalation**

First aid is not applicable.

**Note to Physicians**

No data

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**5. FIRE FIGHTING MEASURES****Flash Point**

0 F (-17.7 C)

**Explosive Limit**

(for component) Lower .9 %

**Autoignition Temperature**

No data

**Hazardous Products of Combustion**

May form: carbon dioxide and carbon monoxide.

**Fire and Explosion Hazards**

No data

**Extinguishing Media**

regular foam, alcohol foam, water fog.

**Fire Fighting Instructions**

No special precautions necessary when fighting fires involving this product.

**NFPA Rating**

Health - 0, Flammability - 1, Reactivity - 0

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**6. ACCIDENTAL RELEASE MEASURES****Small Spill**

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

**Large Spill**

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

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**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

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Eye Protection**

Not required under normal conditions of use.

**Skin Protection**

Not normally required., Other protective equipment: not required under normal conditions of use..

**Respiratory Protections**

Not required under normal conditions of use.

**Engineering Controls**

Not required under normal conditions of use.

**Exposure Guidelines****Component**  
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ALIPHATIC PETROLEUM DISTILLATES (64742-53-6)  
No exposure limits established

SODIUM PETROLEUM SULFONATE  
No exposure limits established

NONYLPHENOL POLYETHOXYLATE (9016-45-9)  
No exposure limits established

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point  
(for component) 212.0 F (100.0 C) @ 760 mmHg

Vapor Pressure  
(for component) 17.500 mmHg @ 68.00 F

Specific Vapor Density  
> 1.000 @ AIR=1

Specific Gravity  
.987 @ 77.00 F

Liquid Density  
8.210 lbs/gal @ 77.00 F  
.987 kg/l @ 25.00 C

Percent Volatiles (Including Water)  
70.0 - 85.0 %

Evaporation Rate  
SLOWER THAN ETHYL ETHER

Appearance  
UNIFORM

State  
LIQUID

Physical Form  
No data

Color  
OFF WHITE

Odor  
No data

pH  
9.1 - 9.3

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#### 10. STABILITY AND REACTIVITY

Hazardous Polymerization  
Product will not undergo hazardous polymerization.

Hazardous Decomposition  
May form: carbon dioxide and carbon monoxide.

Chemical Stability  
Stable.

Incompatibility  
Avoid contact with: strong oxidizing agents.

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#### 11. TOXICOLOGICAL INFORMATION

No data

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#### 12. ECOLOGICAL INFORMATION

No data

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#### 13. DISPOSAL CONSIDERATION

Waste Management Information  
Contaminated absorbent may be deposited in a landfill in  
accordance with local, state and federal regulations.

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## 14. TRANSPORT INFORMATION

DOT Information – 49 CFR 172.101

DOT Description:  
Not RegulatedContainer/Mode:  
CASES/SURFACE – NO EXCEPTIONSNOS Component:  
NoneRQ (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  
NoneSARA 302 Components – 40 CFR 355 Appendix A  
NoneSection 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-----  
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.

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