

5800



FUEL, STABILIZER, UNIT RESCUE-8 : 09/27/2001 :

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001

Date Prepared: 02/10/95

Date Printed: 11/06/99

MSDS No: 503.0244693-001.008

FUEL STABILIZER**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Material Identity**

Product Name: FUEL STABILIZER

Product Code: 00005800

General or Generic ID: AUTOMOTIVE CHEMICAL

CompanyThe Valvoline Company
P.O. Box 14000
Lexington, KY 40512**Telephone Numbers**

Emergency: 1-800-274-5263

Information: 1-606-357-7847

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
KEROSENE	8008-20-6	91.0-100.0
BUTYLATED HYDROXYTOLUENE	128-37-0	0.0- 8.0

3. HAZARDS IDENTIFICATION**Potential Health Effects****Eye**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

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. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

Inhalation

Breathing of vapor or mist is possible. 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

stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), and death.

Target Organ Effects

No data

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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.

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

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.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES

Flash Point

> 120.0 F (48.8 C)

Explosive Limit

(for component) Lower .7 %

Autoignition Temperature

No data

Hazardous Products of Combustion

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

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Fire and Explosion Hazards

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. 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 - 1, Flammability - 2, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

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

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. 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.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

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FUEL STABILIZER

Skin Protection

Wear resistant gloves such as: neoprene, nitrile rubber, To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

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

KEROSENE (8008-20-6)

No exposure limits established

BUTYLATED HYDROXYTOLUENE (128-37-0)

OSHA VPEL 10.000 mg/m³ - TWA

ACGIH TLV 10.000 mg/m³ - TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) > 300.0 F (148.8 C) @ 760.00 mmHg

Vapor Pressure

(for component) 5.000 mmHg @ 77.00 F

Specific Vapor Density

> 1.000 @ AIR=1

Specific Gravity

.797 - .820 @ 77.00 F

Liquid Density

6.740 lbs/gal @ 77.00 F

.809 kg/l @ 25.00 C

Percent Volatiles (Including Water)

> 95.0 %

Evaporation Rate

SLOWER THAN ETHYL ETHER

Appearance

CLEAR

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FUEL STABILIZER

State

LIQUID

Physical Form

No data

Color

YELLOW

Odor

No data

pH

Not applicable

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

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

Chemical Stability

Stable.

Incompatibility

Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Destroy by liquid incineration. 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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FUEL STABILIZER

Container/Mode:

CASES/SURFACE - COMBUSTIBLE EXCEPTION

NOS Component:

KEROSENE

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs) Component

29121

XYLENES (O-, M-, P- ISOMERS)

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

None

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

New Jersey RTK Label Information

KEROSENE

2,6-DI-TERT-BUTYL-P-CRESOL

8008-20-6

128-37-0

Pennsylvania RTK Label Information

KEROSINE (PETROLEUM)

PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-MET

8008-20-6

128-37-0

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.