

# MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001  
Date Prepared: 01/14/02  
Date Printed: 01/24/02  
MSDS No: 503.0297265-002.003

**PYROIL TIRE INFLATOR W/HOSE 12/18 OZ**

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Material Identity

Product Name: PYROIL TIRE INFLATOR W/HOSE 12/18 OZ  
SAP Material No: PYTPH18  
General or Generic ID: AEROSOL TIRE INFLATOR / SEALER

### Company

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

### Telephone Numbers

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

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by volume)
PERCHLOROETHYLENE	127-18-4	37.0
ETHANE, 1,1,1,2-TETRAFLUORO	811-97-2	20.0- 30.0
ALIPHATIC HYDROCARBONS	Trade Secret	20.0- 30.0

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## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

#### Eye

Can cause eye irritation.

#### Skin

May cause mild skin irritation. Prolonged or repeated contact may dry and crack the skin.

#### 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. 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

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate preexisting disorders of these organs in humans: liver abnormalities, lung damage, kidney damage, liver damage.

Continued On Next Page

## MATERIAL SAFETY DATA SHEET

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Page 002  
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### Developmental Information

No data

### Cancer Information

Exposure to perchloroethylene has been shown to cause cancer in laboratory animals. It has been listed as a possible carcinogen by the International Agency for Research on Cancer and the National Toxicology Program.

### Other Health Effects

No data

### Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact.

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## 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

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, 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

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Preexisting disorders of the following organs ( or organ systems) may be aggravated by exposure to this material: skin.

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## 5. FIRE FIGHTING MEASURES

### Flash Point

Not applicable

### Explosive Limit

(for product) Lower 1.0 Upper 6.0 %

Continued On Next Page

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Page 003  
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#### Autoignition Temperature

No data

#### Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, hydrogen chloride, phosgene.

#### Fire and Explosion Hazards

No data

#### Extinguishing Media

regular foam, carbon dioxide, dry chemical.

#### Fire Fighting Instructions

Water may be used to keep fire-exposed containers cool until fire is out. 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.

#### MFPA Rating

Health - 2, Flammability - 0, 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

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

Continued On Next Page

## MATERIAL SAFETY DATA SHEET

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Page 004  
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#### Skin Protection

Wear resistant gloves such as: polyvinyl alcohol, Viton, 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

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PERCHLOROETHYLENE (127-18-4)  
OSHA VPEL 25.000 ppm - TWA  
ACGIH TLV 25.000 ppm - TWA  
ACGIH TLV 100.000 ppm - STEL

METHANE, 1,1,1,2-TETRAFLUORO (811-97-2)  
No exposure limits established

ALIPHATIC HYDROCARBONS  
OSHA VPEL 100.000 ppm - TWA  
ACGIH TLV 100.000 ppm - TWA

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Boiling Point

No data

#### Vapor Pressure

No data

#### Specific Vapor Density

> 1.000 @ AIR=1

#### Specific Gravity

1.190 @ 77.00 F

#### Liquid Density

9.930 lbs/gal @ 77.00 F  
1.190 kg/l @ 25.00 C

#### Percent Volatiles (Including Water)

90.0 - 95.0 %

Continued On Next Page

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Page 005  
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### Volatile Organic Compounds (VOC) (Maximum)

1091.000 g/l  
9.110 lbs/gal

### Evaporation Rate

FASTER THAN ETHYL ETHER

### Appearance

No data

### State

LIQUID

### Physical Form

No data

### Color

No data

### Odor

No data

### pH

No data

### Flame Propagation

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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, hydrogen chloride, phosgene, Open flame, welding arcs, resistance heaters, etc., which can result in thermal decomposition releasing hydrogen chloride and small amounts of phosgene and chlorine..

### Chemical Stability

Stable.

### Incompatibility

Avoid contact with: excessive heat, reactive metals such as aluminum and magnesium, temperatures over 120 F.

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## 11. TOXICOLOGICAL INFORMATION

No data

Continued On Next Page

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The Valvoline Company

Page 006  
Date Prepared: 01/14/02  
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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:  
CONSUMER COMMODITY,ORM-D

Container/Mode:  
CASES/SURFACE - ORM-D EXCEPTION

NOS Component:  
None

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs) Component

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203 PERCHLOROETHYLENE

15. REGULATORY INFORMATION

US Federal Regulations

CERCLA RQ - 40 CFR 302.4

Component Component  
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TETRACHLOROETHYLENE 100

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

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

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s) CAS Number  
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TETRACHLOROETHYLENE (PERCHLOROETHYLENE) 127-18-4

International Regulations

Inventory Status

Not determined

Continued On Next Page

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The Valvoline Company

Page 007  
Date Prepared: 01/14/02  
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**State and Local Regulations**

**California Proposition 65**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer.  
TETRACHLOROETHYLENE (PERCHLOROETHYLENE)

**New Jersey RTK Label Information**

TETRACHLOROETHYLENE 127-18-4  
STODDARD SOLVENT 8052-41-3

**Pennsylvania RTK Label Information**

ETHENE, TETRACHLORO- 127-18-4  
STODDARD SOLVENT 8052-41-3

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**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.