

## MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001

Date Prepared: 10/05/05

Date Printed: 10/07/05

MSDS No: 510.0390302-003.001

### AUTO TIRE SWIPES 6/2 PKG

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Material Identity

Product Name: AUTO TIRE SWIPES 6/2 PKG

SAP Material No: E15010602

### 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)
LIGHT, HYDROTREATED PETROLEUM DISTILLATES	64742-47-8	64.0- 74.0
SILICONE EMULSIONS	63148-62-9	25.0- 35.0
PROPYLENE GLYCOL MONOPROPYL ETHER	1569-01-3	1.0- 6.0

## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

#### Eye

Can cause eye irritation.

#### Skin

Can cause skin irritation. Prolonged or repeated contact may dry and crack the skin. Additional symptoms of skin contact may include: skin blistering. Passage through the skin may add to toxic effects from breathing or swallowing.

#### 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 get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

#### 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 usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

#### 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: metallic taste, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), lung irritation, cough, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), pain in the abdomen and lower back, shortness of breath, loss of coordination, confusion, difficult breathing, irregular heartbeat, narcosis (dazed or sluggish feeling), kidney damage, liver damage, convulsions, coma, and death.

Continued on next page

## MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 002

Date Prepared: 10/05/05

Date Printed: 10/07/05

MSDS No: 510.0390302-003.001

### AUTO TIRE SWIPES 6/2 PKG

---

#### Target Organ Effects

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. 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: mild, reversible liver effects, eye damage.

#### Developmental Information

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

#### 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. This product (or a component) is a petroleum-derived material. Similar materials and certain compounds occurring naturally in petroleum oils have been shown to cause skin cancer in laboratory animals following repeated exposure without washing or removal.

#### Other Health Effects

When heated to temperatures above 150 degrees C in the presence of air, this product can form formaldehyde vapors. Formaldehyde has been identified as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) and the Occupational Safety and Health Administration (OSHA). Formaldehyde is irritating to the eyes, nose, throat, and airways, and can cause an allergic reaction (causes narrowing of the air passages of the lungs, sweating, flushing, hives, rapid heart rate, and lowered blood pressure). In addition, formaldehyde can cause an allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects). It is harmful if inhaled, swallowed or absorbed through skin.

#### Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

---

### 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. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and 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.

Continued on next page

## MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 003  
Date Prepared: 10/05/05  
Date Printed: 10/07/05  
MSDS No: 510.0390302-003.001

### AUTO TIRE SWIPES 6/2 PKG

---

#### 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

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. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidneys, eye. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

---

### 5. FIRE FIGHTING MEASURES

#### Flash Point

195.0 F (90.5 C) PMCC

#### Explosive Limit

No data

#### Autoignition Temperature

No data

#### Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, formaldehyde, hydrogen, silicon oxides.

#### Fire and Explosion Hazards

No data

#### Extinguishing Media

No data

#### 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 - 1, Flammability - 2, Reactivity - 0

---

### 6. ACCIDENTAL RELEASE MEASURES

#### Small Spill

Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper personal protective equipment should be excluded from area of spill.

Continued on next page

## MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 004

Date Prepared: 10/05/05

Date Printed: 10/07/05

MSDS No: 510.0390302-003.001

### AUTO TIRE SWIPES 6/2 PKG

---

#### 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. 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. Scoop into containers. 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. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred. Avoid prolonged or repeated contact.

#### Storage

Do not store near extreme heat, open flame, or sources of ignition.

---

### 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.

#### Skin Protection

Wear resistant gloves (consult your safety equipment supplier). 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

-----

LIGHT, HYDROTREATED PETROLEUM DISTILLATES (64742-47-8)

OSHA VPEL 5.000 mg/m<sup>3</sup> - TWA

ACGIH TLV 200.000 mg/m<sup>3</sup> - TWA ((Skin))

SILICONE EMULSIONS (63148-62-9)

No exposure limits established

PROPYLENE GLYCOL MONOPROPYL ETHER (1569-01-3)

No exposure limits established

Continued on next page

## MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 005  
Date Prepared: 10/05/05  
Date Printed: 10/07/05  
MSDS No: 510.0390302-003.001

### AUTO TIRE SWIPES 6/2 PKG

---

Provide adequate ventilation to control formaldehyde exposures to within the OSHA permissible exposure limits of 0.75 ppm (TWA) and 2 ppm (STEL) or 0.3 ppm (ACGIH ceiling).

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Boiling Point

(for component) > 300.0 F (148.8 C)

### Vapor Pressure

(for component) < 5.000 mmHg

### Specific Vapor Density

No data

### Specific Gravity

.820 - .830 @ 70.00 F

### Liquid Density

6.870 lbs/gal @ 70.00 F  
6.870 lbs/gal @ 70.00 F

### Percent Volatiles (Including Water)

No data

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

1.000 %

### Evaporation Rate

No data

### Appearance

CLEAR LIQUID

### State

LIQUID

### Physical Form

No data

### Color

COLORLESS

### Odor

No data

### pH

No data

---

## 10. STABILITY AND REACTIVITY

### Hazardous Polymerization

Product will not undergo hazardous polymerization.

Continued on next page

## MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 006

Date Prepared: 10/05/05

Date Printed: 10/07/05

MSDS No: 510.0390302-003.001

### AUTO TIRE SWIPES 6/2 PKG

---

#### Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, formaldehyde, hydrogen, silicates, silicon oxides, various hydrocarbons.

#### Chemical Stability

Stable.

#### Incompatibility

Avoid contact with: acids, heat, strong bases, strong oxidizing agents.

---

### 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

#### 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.

Continued on next page

# MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 007

Date Prepared: 10/05/05

Date Printed: 10/07/05

MSDS No: 510.0390302-003.001

**AUTO TIRE SWIPES 6/2 PKG**

---

**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(X)   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

Low VOC California formula. 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.

Last page