



# Material Safety Data Sheet

## 31325136

Volvo Cars of North America, LLC  
1 Volvo Drive  
P.O. Box 914  
Rockleigh, NJ 07647

Emergency  
Telephone No.: **1-800-467-8583 (US)**  
**1-613-996-6666 (CAN)**

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**NOTE:** Use the 24-Hour Emergency Telephone Numbers **only in the event of a chemical emergency involving a spill, leak, fire, exposure, or accident involving chemicals.** All non-emergency questions should be directed to Volvo Cars of North America, LLC at (201) 768-7300 (U.S.) or (416) 498-3700 (Canada) for assistance.

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** AWD TRANSMISSION OIL CLUTCH

**PART NO:** 31325136

**MATERIAL USES:** OTHER NON-SPECIFIED INDUSTRY: SEALANTS

**SUPPLIER:** VOLVO CAR, CUSTOMER SERVICE  
SE 405 31 GÖTEBORG  
SWEDEN

**CONTACT PERSON:** ULRIKA WIDLUND  
**PHONE No:** +46-31-66 68 03  
**E-MAIL ADDRESS:** sds@volvo.com

### 2. HAZARDS IDENTIFICATION

**Physical state:** Liquid.

**Odor:** Slight. Oil.

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Emergency overview:** PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

Keep out of the reach of children. If ingested, do not induce vomiting. Seek medical advice immediately. Minimise skin contact. Protect the environment. Dispose of used oil at designated sites. Do not mix used oil with solvents, brake fluids or coolants.

**Routes of entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

**Inhalation:** Slightly irritating to the respiratory system.

**Skin:** Slightly irritating to the skin.

**Eyes:** Slightly irritating to the eyes.

**Ingestion:** Aspiration hazard if swallowed. Can enter lungs and cause damage.

#### Potential chronic health effects

**Chronic effects:** No known significant effects or critical hazards.

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**Medical conditions aggravated by over-exposure:**

Skin lesion/eczema.

**Over-exposure signs/symptoms:**

Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

**Environmental effects:**

Ecotoxicological data on the substances included in this product show that the product is not classified as harmful to the environment. Oils are in general persistent in the environment. Upon release the oil spreads on the soil or water surface and can affect the area for a long time.

See toxicological information (section 11).

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No	(%)
MINERAL OIL, SOLVENT REFINED		60 - 100

### 4. FIRST-AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

**Skin contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

### 5. FIRE-FIGHTING MEASURES

**Flammability of the product:** No specific fire or explosion hazard.

#### Extinguishing media

**Suitable:** Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders.

**Not suitable:** Do not use water jet.

**Hazardous combustion products:**

Decomposition products may include the following materials:  
carbon oxides

**Special protective**

**equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to protective measures listed in sections 7 and 8.
- Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Spill:** Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 7. HANDLING AND STORAGE

- Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin and clothing.
- Storage:** Keep container tightly closed in a cool, well-ventilated place. Do not store in unlabeled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product name

Mineral Oil, Solvent refined

### Exposure limits

#### **NIOSH REL (United States, 6/2008).**

TWA: 5 mg/m<sup>3</sup> 10 hour(s). Form: Mist

STEL: 10 mg/m<sup>3</sup> 15 minute(s). Form: Mist

#### **OSHA PEL 1989 (United States, 3/1989).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Mist

#### **ACGIH TLV (United States, 1/2008).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s).

STEL: 10 mg/m<sup>3</sup> 15 minute(s).

#### **OSHA PEL (United States, 11/2006).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s).

- Engineering measures:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### Personal protection

- Eyes:** Use safety eyewear designed to protect against splash of liquids.
- Skin:** Protective clothing.
- Respiratory:** Wear appropriate respirator when ventilation is inadequate.
- Hands:** Chemical-resistant gloves.
- Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.  
**Color:** Yellowish.  
**Odor:** Slight. Oil.  
**Flash point:** Open cup: >190°C (>374°F)  
**Viscosity:** Kinematic (40°C (104°F)): 0,25 cm<sup>2</sup>/s (25 cSt)  
**Solubility:** Insoluble in the following materials: cold water and hot water.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage and handling conditions (see section 7).  
**Conditions to avoid:** No specific data.  
**Materials to avoid:** Reactive or incompatible with the following materials:  
oxidizing materials  
**Hazardous decomposition products:** Decomposition products may include the following materials:  
carbon oxides  
**Hazardous polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Not applicable.				

### Carcinogenicity

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Not applicable.						

### **Other toxic effects on humans:**

Repeated or prolonged exposure; Slightly irritating to the eyes, skin and respiratory system.

## 12. ECOLOGICAL INFORMATION

**Environmental effects:** Ecotoxicological data on the substances included in this product show that the product is not classified as harmful to the environment. Oils are in general persistent in the environment. Upon release the oil spreads on the soil or water surface and can affect the area for a long time.

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**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

**14. TRANSPORT INFORMATION**

Regulatory Information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	-	-	-		
TDG Classification	Not regulated.	-	-	-		
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		

PG\*: Packing group

**15. REGULATORY INFORMATION**

**HSC Classification:** Not controlled under the HCS (United States).

**U.S. Federal regulations:** This product is in compliance with TSCA.

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** No products were found.

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.

**SARA 313 toxic chemical notification and release reporting:** Not applicable.

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**Clean Water Act (CWA) 307:** Applicable.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 accidental release prevention:** No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

**State regulations:**

**New Jersey Hazardous Substances:** Applicable

**Pennsylvania RTK Hazardous Substances:** Applicable

**California Prop. 65**

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## 16. OTHER INFORMATION

### Emergency overview (label):

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

Keep out of the reach of children. If ingested, do not induce vomiting. Seek medical advice immediately. Minimise skin contact. Protect the environment. Dispose of used oil at designated sites. Do not mix used oil with solvents, brake fluids or coolants.

### Hazardous Material Information System (U.S.A.):

Health	<b>1</b>
Flammability	<b>1</b>
Physical hazards	<b>0</b>

### National Fire Protection Association (U.S.A.):



**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials maybe purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

Date of issue: 2010-04-09.  
Date of previous issue: No previous validation.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.