

Section 1. Chemical product and company identification

Trade name : TRANSMISSION OIL 80W90 **In case of emergency**
 Code : 1141677 **1-800-535-5053**
 Material uses : Other non-specified industry: Lubricants - Base Oils
 Supplier : Volvo Penta of the Americas, Inc.
 1300 Volvo Penta Drive
 Chesapeake, VA 23320
 Telephone no. : (757) 436-2800

Section 2. Composition, information on ingredients

Name	CAS #	% by weight
1) Mineral Oil, Solvent refined		60-100

Section 3. Hazards identification

Physical state and Appearance : Liquid.

Emergency overview : No specific acute hazard.
 Repeated or prolonged contact with irritants may cause dermatitis.
 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 : Inhalation.

Potential acute health effects

Eyes : Slightly irritating to the eyes.

Skin : Irritant properties of the product in case of skin contact: Not applicable. Sensitizing properties of the product: Not applicable.

Inhalation : Slightly irritating to the respiratory system. (Oil Mist)

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

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [TRANSMISSION OIL].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by over-exposure : Causes dermatitis.

Over-exposure signs/symptoms : Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

See toxicological information (section 11)

Section 4. First aid measures

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.

Inhalation : Remove to fresh air. Get medical attention if symptoms occur.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Notes to physician : Not available.

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Section 5. Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Flash points** : Closed cup: 185°C (365°F)
- Flammable limits** : Not available.
- Products of combustion** : Carbon monoxide., sulfur oxides (SO₂, SO₃ etc.).
- Fire hazards in the presence of various substances** : Not available.
- Explosion hazards in the presence of various substances** : Not available.
- Fire-fighting media and instructions** : SMALL FIRE and LARGE FIRE:
Recommended: alcohol-resistant foam, CO₂, powders.
Do not use water jet.
- Protective clothing (fire)** : Be sure to use an approved/certified respirator or equivalent.
- Special remarks on fire hazards** : Not available.
- Special remarks on explosion hazards** : Not available.

Section 6. Accidental release measures

- Small spill and leak** : Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
- Large spill and leak** : Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.

Section 7. Handling and storage

- Handling** : Avoid contact with skin. Avoid breathing vapors, spray or mists.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above the following temperature: 40°C (104°F).

Section 8. Exposure controls/personal protection

- Engineering controls** : Use only with adequate ventilation.

Personal protection

Eyes : Safety glasses.

Body : Protective clothing

Respiratory : Not applicable.

Hands : For prolonged or repeated handling, use Chemical-resistant gloves.

- Personal protection in case of a large spill** : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

Product name

Mineral Oil, Solvent refined

Exposure limits

ACGIH TLV (United States).

TWA: 5 mg/m³

STEL: 10 mg/m³

OSHA PEL Z2 (United States).

TWA: 5 mg/m³

Consult local authorities for acceptable exposure limits.

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Section 9. Physical and chemical properties

Physical state and Appearance	: Liquid.
Color	: Amber.
Odor	: Oil
Vapor density	: >1 [Air = 1]
Viscosity	: Kinematic: 1,36 cm ² /s (136 cSt) Kinematic (40°C (104°F)): 1,36 cm ² /s (136 cSt)
Solubility	: Insoluble in the following materials: cold water, hot water.
Physical/chemical properties comments	: Not available.

Section 10. Stability and reactivity

Stability and reactivity	: The product is stable.
Conditions of instability	: Not available.
Incompatibility with various substances	: Reactive with oxidizing agents.
Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide and sulfur oxides (SO ₂ , SO ₃ etc.).
Hazardous polymerization	: Not available.

Section 11. Toxicological information

Toxicity to animals	: Not available.
Chronic effects on humans	: Repeated or prolonged exposure; Irritating to eyes, respiratory system and skin.
Other toxic effects on humans	: Not considered to be toxic to humans.

Section 12. Ecological information

Ecotoxicity	: Not available.
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Section 13. Disposal considerations

Waste information	: Waste must be disposed of in accordance with federal, state and local environmental control regulations. <u>Consult your local or regional authorities.</u>
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Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-	-	-
TDG Classification	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	<u>Emergency schedules (EmS)</u> -
IATA-DGR Class	Not regulated.	-	-	-	-	-

Section 15. Regulatory information

- HCS 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: Present
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Applicable.
 SARA 313 toxic chemical notification and release reporting: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 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** : Pennsylvania RTK Hazardous Substances: Applicable.
 Massachusetts Substances: Applicable.
 California Prop. 65: No products were found.

**SEE MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT.
 FOR INDUSTRIAL USE ONLY.**

Section 16. Other information

- Label requirements** : Repeated or prolonged contact with irritants may cause dermatitis.

**Hazardous Material
 Information System (U.S.A.)**

Health	
Fire hazard	1
Reactivity	0
Personal protection	

**National Fire
 Protection
 Association (U.S.
 A.)**



- References** : Not available.
- Other special considerations** : Not available.

- Date of issue** : 2010-12-13.
- Date of previous issue** : 2010-12-13.

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.