

Material Safety Data Sheet

1161640
1161540

PRODUCT NAME Transmission oil	REVISION DATE 2007-09-27	PAGE 2 of 6
---	------------------------------------	-----------------------

Medical conditions aggravated by overexposure: Causes dermatitis.
Overexposure signs/symptoms: Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

See toxicological information (section 11)

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.
Skin Contact: Wash with soap and water. Get medical attention if symptoms occur.
Inhalation: If inhaled, 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.

5. FIRE-FIGHTING MEASURES

Flammability of the product: May be combustible at high temperature.
Flash Points: Closed cup: >185°C (365°F).
Flammable limits: Lower: 0.9% Upper: 7%
Products of combustion: These products are carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃ etc.), Aldehyde.
Fire hazards in presence of various substances: Not available.
Explosion hazards in presence of various substances: Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Fire-fighting media and instructions: SMALL FIRE: Recommended: alcohol resistant foam, CO₂, powders.
LARGE FIRE: Recommended: alcohol resistant foam, CO₂, powders.
Do not use water jet.
Be sure to use an approved/certified respirator or equivalent.
Protective clothing (fire): Not available.
Special remarks on fire hazards: Not available.
Special remarks on explosion hazards: Not available.

1161640
1161540

Material Safety Data Sheet

PRODUCT NAME	REVISION DATE	PAGE
Transmission oil	2007-09-27	3 of 6

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. Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- Large spill and leak:** 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:** Avoid contact with skin. Avoid breathing vapor or mist.
- Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls:** Use with adequate ventilation.

Personal protection

- Respiratory system:** Be sure to use an approved/certified respirator or equivalent.
- Hands:** For prolonged or repeated handling, use Chemical resistant gloves.
- Eyes:** Safety glasses.
- Body:** Protective Clothing.

- 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, 1/2004). Notes: Adopted Values enclosed are those for which changes are proposed. Consult the Notice of Intended Changes for current proposal. See Notice of Intended changes.

STEL: 10 mg/m³ 15 minute/minutes. Form: All forms
TWA: 5 mg/m³ 8 hour/hours. Form: All forms
NIOSH REL (United States, 12/2001).

STEL: 10 mg/m³ 15 minute/minutes. Form: Mist
TWA: 5 mg/m³ 10 hour/hours. Form: Mist
OSHA PEL (United States, 8/1997).

TWA: 5 mg/m³ 8 hour/hours. Form: All forms
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hour/hours. Form: Mist

Consult local authorities for acceptable exposure limits.

VOLVO
GENUINE PARTS
Nothing can replace them.

Material Safety Data Sheet

1161640
1161540

PRODUCT NAME	REVISION DATE	PAGE
Transmission oil	2007-09-27	4 of 6

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid.
Colour: Red.
Odor: Characteristic.
Boiling/condensation point: >316°C (600.8°F)
Vapor pressure: <0.01 kPa (<0.1 mm Hg) (at 20°C)
Vapor density: >2 (Air = 1)
Viscosity: Kinematic (40C): 33 cSt
Solubility: Insoluble in cold water, hot water.
Physical chemical comments: Not available.

10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable under recommended storage and handling conditions (see section 7).
Conditions of instability: Heat.
Incompatibility with various substances: Reactive with oxidizing agents.
Hazardous Decomposition Products: These products are Aldehyde, Ketone, and carbon oxides (CO, CO₂).
Hazardous polymerization: Not available.

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 for humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

13. DISPOSAL CONSIDERATIONS

Waste information: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste stream: Not available.



Consult your local or regional authorities.

1161640
1161540

Material Safety Data Sheet

PRODUCT NAME Transmission oil	REVISION DATE 2007-09-27	PAGE 5 of 6
---	------------------------------------	-----------------------

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	3082	Environmentally hazardous substance, liquid, n.o.s. (Alkyl Phosphite)	9	III		<u>Emergency Schedules (EMS)</u> F-A, F-S
IATA-DGR Class	3082	Environmentally hazardous substance, liquid, n.o.s. (Alkyl Phosphite)	9	III		-

15. REGULATORY INFORMATION

HCS Classification:

U.S. Federal regulations:

Not controlled under the HCS (United States).
 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.
 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:
 California prop. 65: No products were found.

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

1161640
1161540

Material Safety Data Sheet

PRODUCT NAME Transmission oil	REVISION DATE 2007-09-27	PAGE 6 of 6
---	------------------------------------	-----------------------

16. OTHER INFORMATION

Label Requirements: PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

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

Health hazard	*	1
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: 2007-09-27
Date of previous issue: 2007-07-06

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.