



9/7/2007

## MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Agrol Hypoid LS 80W-90	
Use:	Transmission Oil	
Supplier	Lantmännen Energi AB Box 30192 104 25 Stockholm	
	Telephone	+468 657 42 00
	Fax	+468 657 42 88
Producer	Petrolia AB Box 5194 102 44 Stockholm	
	Telephone No	+468 670 34 00
Emergency telephone	Swedish Poisons Information Centre	+468 33 12 31 (daytime) 112 (acute)

## 2. HAZARDS IDENTIFICATION

Can cause dry skin after often-repeated contact.  
 Contains alkyl amine and substituted tiadiazole. May cause an allergic reaction  
 Contains a small amount of additive components classified as dangerous to the aquatic environment.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	EU Number	CAS No	Content (weight %)	Symbols	R-Phrases
Mineral Oil, (IP346 DMSO extract < 3 %)	265-169-7 265-166-0	64742-65-0 64742-62-7	90 - 92	-	-
Olefin sulphide			2 - 5	-	R53
Phosphorous acid ester amino salt			1 - 2	N	R51/53
Alkenylamin	204-015-5	112-90-3	0,1 – 0,7	C, N	R22, R34, R43, R50
Substituted tiadiazole	300-298-5	93925-00-9	0,1 – 0,5	Xi	R38, R41, R43, R52/53

## 4. FIRST AID MEASURES

Generally information                      No danger in normal use



9/7/2007

Inhalation	Remove to fresh air. Consult a doctor in case of symptoms.
Ingestion	Flush oral cavity and drink plenty of water. Do not induce vomiting.
Skin contact	Remove contaminated clothing. Wash skin with water and soap. Rinse thoroughly.
Eye contact	Rise with opened eye for several minutes under running water. Consult a doctor in case of symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Water spray, foam, CO <sub>2</sub> or dry powder. Container close to fire should be removed or cooled with water. Use breathing apparatus against noxious fumes.
---------------------	--

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	Do not allow the product to enter the environment.
Methods for cleaning up	Prevent liquid entering sewers. Absorb smaller quantities. With greater spill, get in contact with rescue workers. Wear suitable protective equipment.

7. HANDLING AND STORAGE

Handling	Mechanical ventilation. Avoid contact with skin and eyes. Eyewash equipment should be provided. Keep away from strong heating.
Storage	Store in original closed containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation	Good ventilation should be provided.
Eye and skin protection	If necessary use safety goggles and protective gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Oily liquid
Colour	Light yellow
Water Solubility	Insoluble



9/7/2007

Melting point (°C)	<-30
Density (kg/m <sup>3</sup> )	900 (15 °C)
Viscosity, kinematic, 40 °C, mm <sup>2</sup> /s:	140
Flashpoint (°C)	>172 method: (ASTM D93, P-M)

10. STABILITY AND REACTIVITY

Stability	Stable under normal condition.
Conditions/materials to avoid	Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of dust/fumes may cause irritation.
Ingestion	May cause a feeling of sickness.
Skin	Repeated and prolonged contact with skin can cause irritation.
Eye	Contact with eye may cause irritation.

12. ECOLOGICAL INFORMATION

Mobility	Low mobility in soil. Some components may penetrate the soil causing ground water pollution. Will spread on the water surface. A small portion may be dispersed in water.
Degradability	Not readily biodegradable.
Ecotoxicity/bioaccumulation	Contains a small amount of additive components classified as dangerous to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Local authority should be informed when discharge of greater spill.  
 EWC-code: 13 02 05, Mineral-based non-chlorinated engine, gear and lubricating oils.

Packaging  
 EWC-code: 15 01 02, Plastic packaging  
 EWC-code: 15 01 04, Metallic packaging  
 EWC-code: 15 01 10, Packaging containing residues of or contaminated by dangerous substances

14. TRANSPORT INFORMATION



9/7/2007

UN-no Not classified  
RID / ADR Not classified  
IMO Not classified  
IATA / ICAO Not classified

---

15. REGULATORY INFORMATION

---

R-Phrases none

S-Phrases none

Other information: Contains alkyl amine and substituted tiadiazole. May cause an allergic reaction

---

16. OTHER INFORMATION

---

Text of R-phrases indicated in section 2:

R22 Harmful if swallowed  
R34 Causes burns  
R38 Irritating to skin  
R41 Risk of serious damage to eyes  
R43 May cause sensitization by skin contact  
R50 Very toxic to aquatic organisms  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R53 May cause long-term adverse effects in the aquatic environment

Revision date: 9/7/2007  
Signature: Lennart Fahlgren  
Petrolia AB