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	Revision nr : 4
GM 5W-30 SUPER SYNTHETIC	Date : 24/2/2009
	Supersedes : 24/8/2005
	28115 www.lisam.com

Producer

WOLF OIL CORPORATION N.V.
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1. Identification of the product and the company

Identification of the product : Oily liquid.
Use : Automobile industry
Company identification : See distributor.

2. Hazards identification

Symptoms relating to use

- Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

3. Information on ingredients

This product is not considered to be hazardous but contains hazardous components, Directive 1999/45/EG.

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
<u>Zinc alkyldithiophosphate</u>	: ca 1.1 %	----- / 272-028-3 / -----	Xi N	38-41-51/53

4. First aid measures

First aid

- Inhalation : Not expected to require first aid measures.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
- Ingestion : DO NOT INDUCE VOMITING.
Rinse mouth.
Seek medical attention immediately.

5. Fire - fighting measures

Prevention : No smoking.
Extinguishing media : Foam.
Dry chemical.
Carbon dioxide.
Special procedures : Exercise caution when fighting any chemical fire.

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6. Accidental release measures

- Personal precautions : No smoking.
 After spillage and/or leakage : Spill area may be slippery. Dike for recovery or absorb with appropriate material. Use suitable disposal containers.

7. Handling and storage

- General : No naked flames. No smoking.
 Storage : Keep at temperature not exceeding 40°C
 Store in dry, well-ventilated area.
 Handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking or when leaving work.
 Transport temperature : Keep at temperature not exceeding 40°C

8. Exposure controls / personal protection

- Personal protection
 - Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
 - Skin protection : No special clothing/skin protection equipment is recommended under normal conditions of use.
 - Eye protection : Goggles.
 - Ingestion : When using, do not eat, drink or smoke.
 Industrial hygiene : No special protection required where adequate ventilation is maintained.

9. Physical and chemical properties

- Physical state : Oily liquid.
 Colour : Yellow-brown.
 Odour : Oil.
 pH value : Not applicable.
 Density [g/dm³] : 855
 Vapour density (101.3 kPa/air=1) : >12
 Viscosity at 40°C [mm²/s] : 69
 Solubility in water : Negligible.
 Flash point [°C] (ASTM D 92) : 230
 Auto-ignition temperature [°C] : No data available.
 Explosion limits (vol% in air) : LEL: 1.0
 UEL: 6.0
 Log P octanol / water at 20°C : No data available.

10. Stability and reactivity

- Hazardous decomposition products : None under normal conditions.
 Hazardous reactions : None under normal conditions.
 Hazardous properties : None under normal conditions.
 Materials to avoid : Strong oxidizers.
 Acids.

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10. Stability and reactivity (continued)

Bases.

11. Toxicological information

Rat oral LD50 [mg/kg]	: No data available.
Inhalation	: Negligible hazard at ambient/normal handling temperatures. Elevated temperatures or mechanical action may form vapours, mists, or fumes, which may be irritating to the nose, throat and lungs.
Skin contact	: Repeated or prolonged skin contact may cause irritation.
Eye contact	: Slightly irritant, does not damage eye tissue
Ingestion	: Low level of acute/systematic toxicity. Minute amounts aspirated into the lungs during ingestion or vomiting may cause severe pulmonary injury and death.

12. Ecological information

Persistence and degradability	: Not soluble in water, so only minimally biodegradable.
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13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations.
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14. Transport information

General information	: Not regulated.
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15. Regulatory information

Symbol(s)	: None.
R Phrase(s)	: None.
S Phrase(s)	: None.

16. Other information

Text of R-Phrases in § 2	: R38 : Irritating to skin. R41 : Risk of serious damage to eyes. R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Further information	: Revision - See : *
Print date	: 25 / 3 / 2009

The contents and format of this MSDS are in accordance with EEC Commission Directive 1907/2006/EC.

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