

MATERIAL SAFETY DATA SHEET

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Revision nr : 2

Date : 7/10/2009

Supersedes : 3/10/2003

TWO STROKE AGRI

1909

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 producer or 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>Polyolefin polyamine succinimide</u>	: < 1 %	----- / ----- / -----		53
<u>MOB Calcium branched chain alkyl phenate</u>	: 0.1 to 0.5 %	----- / ----- / -----	Xi	43
<u>Nafta (petroleum), zwaar ontzwaveld met waterstof</u>	: 5 to 10 %	64742-82-1 / 265-185-4 / -----	Xn	65-66

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 : Store in dry, well-ventilated area.
Keep at temperature not exceeding 40°C
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.
Occupational Exposure Limits : 5 mg/m³ for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

9. Physical and chemical properties

- Physical state : Oily liquid.
Colour : Red.
Odour : Oil.
pH value : No data available.
Density [g/dm³] : 887
Viscosity at 40°C [mm²/s] : 78
Solubility in water : Negligible.
Flash point [°C] (ASTM D 92) : >100
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.
Bases.

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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.

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.
* Safety advises	: Contains : MOB Calcium branched chain alkyl phenate. May produce an allergic reaction.

16. Other information

Text of R-Phrases in § 2	: R43 : May cause sensitization by skin contact. R53 : May cause long-term adverse effects in the aquatic environment. R65 : Harmful : may cause lung damage if swallowed. R66 : Repeated exposure may cause skin dryness or cracking.
Further information	: Revision - See : *
Print date	: 19 / 10 / 2009

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

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