Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ADDINOL Extra Light MV 038

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

ADDINOL Extra Light MV 038

Use of the substance/preparation

Motor oil.

Company/undertaking identification

Company name :	ADDINOL Lube Oil GmbH Gebäude 4609	
Street :	Am Haupttor	
Place :	D-06237 Leuna	
Telephone :	+49 (0) 3461 845-201	Telefax : +49 (0) 3461 845-561
Contact person :	Anwendungstechnik	
e-mail :	info@addinol.de	
Internet :	www.addinol.de	
Inquiry office :	Anwendungstechnik	
Emergency telephone :	+49 (0) 3461 845-201	

2. Hazards identification

Classification

R-phrases :

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Explication of special hazards for human health and environment

Following symptoms can occur: Allergic reactions.

Process vapors can irritate airways, skin and eyes.

Harmful if swallowed.

Spilled product must not leak into the ground.

Do not allow uncontrolled leakage of product into the environment.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

EC-No.	CAS-No.	Components	Quantity	Classification
272-028-3	68649-42-3	Zinc alkyldithiophosphate	< 1,8 %	Xi, N R38-41-51-53
	Polymer	Calcium sulphonate	< 0,9 %	R43
310-154-3	121158-58-5	Phenol, dodecyl-, branched	< 0,17 %	Xn, N R62-38-50-53

Full text of each relevant R phrase can be found in heading 16.

Further Information

DMSO-Extrakt < 3 %, IP 346.

Concentration of PCBs < 1mg/kg.

Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

4. First aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of Water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an opthalmologist.

After ingestion

Do not induce vomiting. Rinse mouth immediately and drink large quantities of water. Immediately get medical attention.

5. Fire-fighting measures

Suitable extinguishing media

Foam. Extinguishing powder. Carbon dioxide (CO_2). Atomized water.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO_2). Sulfur oxides. Phosphorus oxides. nitrogen.

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Extinguishing materials should be selected according to the surrounding area. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately.

6. Accidental release measures

Personal precautions

High slip hazard because of leaking or spilled product. Remove all sources of ignition.
Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Environmental precautions

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

7. Handling and storage

Handling

Advice on safe handling

The following must be prevented: skin contact. Eye contact. inhalation.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Storage

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorbtion of dampness.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.
Keep away from: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: 10 - 30°C
Protect against: heat. UV-radiation/sunlight.

8. Exposure controls/personal protection

Exposure limit values

Additional advice on control parameters

Recommended limit value for oil mist
TWA: 5 mg/m³
STEL: 10 mg/m³

The product does not contain any relevant quantities of substances with legally established exposure limitation.

Exposure controls

Occupational exposure controls

Provide for sufficient ventilation and punctiform suction at critical points.

Protective and hygiene measures

Wash hands before breaks and at the end of work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN 374
Suitable material: NBR (Nitrile rubber).

Eye protection

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): EN 166

Skin protection

Wear suitable protective clothing.

9. Physical and chemical properties

General information

Physical state :	liquid
Colour :	brown
Odour :	like: mineral oil.

Important health, safety and environmental information

		Test method
pH-Value :	not determined	
Changes in the physical state		
Boiling point :	not determined	
Flash point :	228 °C	DIN ISO 2592
Density (at 15 °C) :	0,858 g/cm³	DIN 51757
Water solubility :	virtually insoluble	
Viscosity / kinematic : (at 100 °C)	11,2 mm²/s	DIN 51562

10. Stability and reactivity

Conditions to avoid

Refer to chapter 7 No further action is necessary.
Do not overheat to avoid decomposition by heat.

Materials to avoid

Reacts with :Oxidizing agents, strong. acid.

Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Sulfur oxides. Phosphorus oxides. nitrogen.

11. Toxicological information

Acute toxicity

Acute toxicity, oral, Rat. LD50: > 5000 mg/kg
Test was carried out with a similar formulation.

Specific effects in experiment on an animal

No data available

Corrosive and irritant effects

Irritant effect on the eye: Not an irritant.
Irritant effect on the skin: Prolonged/repetitive skin contact may cause skin defattening or dermatitis.

Sensitising effects

Contains: Calcium sulphonate.
May produce an allergic reaction.

Severe effects after repeated or prolonged exposure

Prolonged/repetitive skin contact may cause skin defattening or dermatitis. Process vapors can irritate airways, skin and eyes.

Carcinogenic/mutagenic/toxic effects for reproduction

No data available

12. Ecological information

Ecotoxicity

Bacterial toxicity: EC50: 100 - 1000 mg/l

Mobility

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Do not empty into drains or the aquatic environment.

Bioaccumulative potential

No data available

Other adverse effects

No data available

Further information

Do not allow uncontrolled leakage of product into the environment.

13. Disposal considerations

Advice on disposal

Must not be disposed of with domestic refuse. Do not empty into drains or the aquatic environment.

Waste disposal number of waste from residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils
Classified as hazardous waste.

Contaminated packaging

Packing which cannot be properly cleaned must be thrown away. Waste disposal according to official state regulations.

14. Transport information

Land transport (ADR/RID)

UN number :	-
ADR/RID class :	-
Warning plate	
Hazard-no. :	-

Inland waterways transport

UN number :	-
ADNR class :	-
Hazard label :	-

Marine transport

UN number :	-
IMDG code :	-
Marine pollutant :	-

Air transport

UN/ID number :	-
ICAO/IATA-DGR :	-
Hazard label :	-

Further Information

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

Labelling

Hazardous component(s) to be indicated on label

Contains: Calcium sulphonate. May produce an allergic reaction.

R phrases

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

24 Avoid contact with skin.
37 Wear suitable gloves.
61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Special labelling for certain preparations

Safety data sheet available for professional user on request.

Additional advice on labelling

There is no obligatory labelling requirement according to the Directive covering preparations 1999/45/EC.

National regulatory information

Water contaminating class (D) : 2 - water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

38	Irritating to skin.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
50	Very toxic to aquatic organisms.
51	Toxic to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
62	Possible risk of impaired fertility.

Other data

These given data only refer to the named product. If the product is used together with other materials or in manufacturing processes the data might not be applicable any more. The data are based on today's state of our knowledge and experience. They are, however, no guarantee of any specific product properties and do not established any legally valid contructual relationship.

The receiver of our product is singulary responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)