



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Heat Transfer Oil XW 15

Print date: 19.03.2014

Product code: 778001

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

ADDINOL Heat Transfer Oil XW 15

REACH Registration Number: 01-2119485843-26-0000
 CAS No: 84961-70-6
 EC No: 284-660-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Material(s) for heat transfer

1.3. Details of the supplier of the safety data sheet

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
 e-mail: info@addinol.de
 Contact person: Application Technology
 Internet: www.addinol.de
 Responsible Department: ADDINOL Application Technology

1.4. Emergency telephone number:

+49 (0) 3461 845-201 - This number is serviced during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This substance is not classified as hazardous according to Directive 67/548/EEC.

GHS classification

Hazard categories:
 Aspiration hazard: Asp. Tox. 1
 Hazard Statements:
 May be fatal if swallowed and enters airways.

2.2. Label elements

Signal word: Danger
 Pictograms: GHS08



Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P405 Store locked up.

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.



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2.3. Other hazards

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
Process vapors can irritate airways, skin and eyes.
Do not allow uncontrolled leakage of product into the environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
284-660-7	Benzene, mono-C10-13-alkyl derivs., distn. residues	100 %
84961-70-6		
	Asp. Tox. 1; H304	
01-2119485843-26-0000		

Full text of R and H phrases: see Section 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.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Self-protection of the first aider.. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. In case of persistent complaints seek medical advice.

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

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Do not induce vomiting. Caution if victim vomits: Risk of aspiration!

Rinse mouth immediately and drink large quantities of water. In case of persistent complaints seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Water spray. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Sulfur oxides. Carbon black.

5.3. Advice for firefighters

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. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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. Avoid contact with skin, eye and clothing.

6.2. 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).

6.3. Methods and material for containment and cleaning 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. Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Work in well ventilated zones or use proper respiratory protection. Avoid oil mist. In case of open handling equipment with built-in suction must be used. Avoid contact with skin, eye and clothing.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

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



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

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.

8.2. Exposure controls



Appropriate engineering 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.

Eye/face protection

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

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Suitable material: Butyl rubber.

penetration time (maximum wearing period): > 30 min

Skin protection

Wear suitable protective clothing. Change contaminated clothing.

Respiratory protection

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	brown
Odour:	characteristic

Test method

Changes in the physical state

Melting point: - 57 °C

Flash point: 210 °C DIN ISO 2592

Explosive properties

evaluation: not Explosive.

Ignition temperature: 350 °C DIN 51794



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Vapour pressure: (at 20 °C)	< 0,01 hPa
Density (at 20 °C):	0,890 g/cm ³ DIN 51757
Water solubility:	insoluble
Viscosity / kinematic: (at 40 °C)	20 - 25 mm ² /s DIN 51562

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

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

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).
Sulfur oxides. Carbon black.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name					
	Exposure routes	Method	Dose	Species	Source	
84961-70-6	Benzene, mono-C10-13-alkyl derivs., distn. residues					
	oral	LD50	> 2.000 mg/kg	Rat.		
	dermal	LD50	> 3.600 mg/kg	Rat.		

Irritation and corrosivity

Irritant effect on the skin: Not an irritant.
Irritant effect on the eye: Not an irritant.

Sensitising effects

Evaluation: no danger of sensitization.

Severe effects after repeated or prolonged exposure

Following symptoms can occur: Lung irritation.

May be fatal if swallowed and enters airways.

Carcinogenic/mutagenic/toxic effects for reproduction

No data available

Specific effects in experiment on an animal

No data available

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
84961-70-6	Benzene, mono-C10-13-alkyl derivs., distn. residues					
	Acute fish toxicity	LC50	> 10.000 mg/l	96 h		



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12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No data available

Further information

Distribution coefficient (n-octanol / water) (log P O/W): 6.6 - 9.9

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

130308 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste insulating and heat transmission oils; synthetic insulating and heat transmission oils
Classified as hazardous waste.

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning. Packing which cannot be properly cleaned must be thrown away. Waste disposal according to official state regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: -

Inland waterways transport (ADN)

14.1. UN number: -

Marine transport (IMDG)

14.1. UN number: -

Air transport (ICAO)

14.1. UN number: -

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Other applicable information

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture



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National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Full text of H statements referred to under Sections 2 and 3

H304 May be fatal if swallowed and enters airways.

Further Information

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

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 contractual relationship.

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