

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 1 of 8

**1. Identification****Product identifier**

ADDINOL Heat Transfer Oil XW 15

Substance name: Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues

CAS No: 84961-70-6

**Recommended use of the chemical and restrictions on use****Details of the supplier of the safety data sheet****Manufacturer**Company name: ADDINOL Lube Oil GmbH  
Gebäude 4609

Street: Am Haupttor

Place: D-06237 Leuna

Telephone: +49 (0) 3461 845-0

Telefax: +49 (0) 3461 845-555

e-mail: info@addinol.de

Contact person: Application Technology

Internet: www.addinol.de

Responsible Department: ADDINOL Application Technology

**Supplier**

Company name: ADDINOL Lube Oil

Telephone: +1 647 939 9938

e-mail: laura.nelson@addinol.de

**Emergency phone number:** +16479399938 available Mon - Fri, 8:00 am to 4:30 pm EST**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

This substance is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

**Label elements****Additional advice on labelling**

According to EC directives or the corresponding national regulations there is no labeling obligation for this product.

**Hazards not otherwise classified**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Do not allow uncontrolled discharge of product into the environment.

**3. Composition/information on ingredients****Substances****Hazardous components**

CAS No	Components	Quantity
84961-70-6	Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues	99,9 %

**Further Information**

DMSO-Extrakt &lt; 3 %, IP 346.

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

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 2 of 8

**4. First-aid measures****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. En cas d'irritations cutanées consulter un dermatologue.

**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.

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

**Most important symptoms and effects, both acute and delayed**

No information available.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray jet Foam.

**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the chemical**

In case of fire, the following may be released: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>). Sulphur oxides carbon black.

**Special protective equipment and precautions for fire-fighters**

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

**Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. 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, protective equipment and emergency procedures****General measures**

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear respiratory protection when in the presence of vapor, dust, and aerosols. Avoid contact with skin, eye and clothing.

**Environmental precautions**

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

**Methods and material for containment and cleaning up**

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 3 of 8

**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

**Reference to other sections**

Safe handling: see section 7  
Personal protection equipment (PPE): see section 8  
Section 12: Ecological Information (non-mandatory)  
Disposal: see section 13

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes.

**Advice on protection against fire and explosion**

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

**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 humidity. Keep container tightly closed in a cool place. Keep/Store only in original container.

**Hints on joint storage**

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

**Further information on storage conditions**

Protect against: UV-radiation/sunlight. Frost. Heat.  
Recommended storage temperature: 5 - 40°C

**8. Exposure controls/personal protection****Control parameters****Additional advice on limit values**

Recommended limit value for oil mist  
TWA: 5  
STEL: 10

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

**Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

**Protective and hygiene measures**

Wash hands before breaks and after 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

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 4 of 8

**Hand protection**

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

Duration of wearing with permanent contact: 480 min

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

**Skin protection**

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Breathing protection with filter against organic gases and vapours type A - boiling point > 65°C: A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	liquid
Color:	colorless
Odor:	characteristic

pH-Value:

**Test method**  
not applicable

**Changes in the physical state**

Melting point/freezing point:	<-39 °C
Boiling point or initial boiling point and boiling range:	> 344 °C ASTM D 1160
Pour point:	-55 °C ASTM D 7346
Flash point:	> 200 °C DIN EN ISO 2719

**Flammability**

Solid/liquid:	not determined
Gas:	not determined

**Explosive properties**

No data available

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	No data available

**Self-ignition temperature**

Solid:	No data available
Gas:	No data available

Decomposition temperature:	No data available
----------------------------	-------------------

**Oxidizing properties**

No data available

Vapor pressure:	not determined
-----------------	----------------

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 5 of 8

Density (at 15 °C):	0,863 g/cm <sup>3</sup> DIN 51757
<b>Solubility in other solvents</b>	
No data available	
Partition coefficient n-octanol/water:	No data available
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 40 °C)	22,5 mm <sup>2</sup> /s ASTM D 7042
Relative vapour density:	not determined
Evaporation rate:	not determined

**Other information**

No data available

**10. Stability and reactivity****Reactivity**

The product is stable under storage at normal ambient temperatures.

**Chemical stability**

Stability: Stable

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No known hazardous reactions.

**Conditions to avoid**

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

**Incompatible materials**

No data available

**Hazardous decomposition products**

In case of fire, the following may be released: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>).  
Sulphur oxides carbon black.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Acute oral toxicity, Rat, LD50: &gt; 2000 mg/kg

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
84961-70-6	Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1992)	OECD Guideline 401
	dermal	LD50 > 4300 mg/kg	Rat	Study report (1991)	other: Sema. 1988. Manual of tests for a

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 6 of 8

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - repeated exposure**

Based on available data, the classification criteria are not met.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Carcinogenicity (OSHA): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (NTP): Not listed.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Information on other hazards****Endocrine disrupting properties**

not applicable

**12. Ecological information****Ecotoxicity**

Mixture not tested.

**Persistence and degradability**

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

**Bioaccumulative potential**

No data available

**Mobility in soil**

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

**Endocrine disrupting properties**

not applicable

**Other adverse effects**

No data available

**Further information**

Do not allow uncontrolled discharge of product into the environment.

**13. Disposal considerations****Waste treatment methods****Disposal recommendations**

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

**Contaminated packaging**

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Dispose of waste according to applicable legislation. Packing which cannot be properly cleaned must be disposed of.

**14. Transport information****US DOT 49 CFR 172.101****Proper shipping name:**

No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)****UN number:**

-

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 7 of 8

UN proper shipping name: -Transport hazard class(es): -Packing group: -**Air transport (ICAO-TI/IATA-DGR)**UN number: -UN proper shipping name: -Transport hazard class(es): -Packing group: -**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**Other applicable information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information****U.S. Regulations****National Inventory TSCA**

Substance/product listed in the following inventories: TSCA

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information****Hazardous Materials Information Label (HMIS)**

Health: 0

Flammability: 1

Physical Hazard: 0

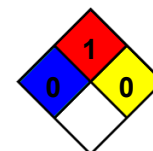
**NFPA Hazard Ratings**

Health: 0

Flammability: 1

Reactivity: 0

Unique Hazard:

**Changes**

Revision date: 10/15/2021

Revision No: 1,71

This data sheet contains changes from the previous version in section(s): 1,4,5,9,10,12,14,15,16.

**Abbreviations and acronyms**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**ADDINOL Heat Transfer Oil XW 15**

Revision date: 10/15/2021

Product code: 778001

Page 8 of 8

Research on Cancer; IATA - International Air Transport Association; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Other data**

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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