



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 1 of 8

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

1.1. Product identifier

ADDINOL Addisolv D

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

Use of the substance/mixture

Metal working fluids: Cleaning agent.

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

Indications of danger: Xn - Harmful

R phrases:

May cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

GHS classification

Hazard Statements:

May be fatal if swallowed and enters airways.

May cause long lasting harmful effects to aquatic life.

2.2. Label elements

Signal word: Danger

Pictograms: GHS08



Hazard statements

H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statements

P273	Avoid release to the environment.
P331	Do NOT induce vomiting.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 2 of 8

Additional advice on labelling

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

2.3. Other hazards

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

High slip hazard because of leaking or spilled product.

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

May cause long lasting harmful effects to aquatic life.

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
918-167-1	Hydrocarbons, C11-C12, isoalkane, < 2% aromatics	60 - 70 %
	Xn - Harmful R53-65-66	
	Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413	
01-2119472146-39		
920-901-0	Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics	15 - 35 %
	Xn - Harmful R65-66	
	Asp. Tox. 1; H304	
01-2119456810-10		
927-285-2	Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics	15 - 35 %
	Xn - Harmful R65-66	
	Asp. Tox. 1; H304	
01-2119480162-45		

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 3 of 8

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. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Rub in high-fat content cream. Take off immediately all 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 thoroughly with water. Medical treatment necessary.

4.2. Most important symptoms and effects, both acute and delayed

after ingestion: Coughing. shortage of breath.

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

Treat symptomatically. Where appropriate artificial ventilation. Regulation of the metabolism, possible shock treatment. Subsequent observance for pneumonia and lung oedema.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam. Extinguishing powder. Carbon dioxide (CO₂). Atomized water. Water fog.

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). Carbon black.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

5.3. Advice for firefighters

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

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High slip hazard because of leaking or spilled product. Do not breathe gas/fumes/vapour/spray. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eye and clothing. Wear personal protection equipment. Provide adequate ventilation. Wear respiratory protection when in the presence of vapour, dust, and aerosols.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 4 of 8

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.

6.4. Reference to other sections

Refer to the provisions listed in Sections 8, 12 and 13.

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. Only use anti-static equipped (spark-free) tools. 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. Provide for sufficient ventilation and punctiform suction at critical points. Take precautionary measures against static discharges.

Advice on storage compatibility

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

Further information on storage conditions

Keep away from sources of ignition - No smoking.
Protect against: UV-radiation/sunlight, frost.
Recommended storage temperature: 10 - 30°C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Exposure limit values:
de-aromatised hydrocarbon mixtures (group 1): 200 ml/m³ (TRGS 900)

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.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 5 of 8

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

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Duration of wearing with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile 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 suction or ventilation measures are not possible or are insufficient, protective breathing apparatus 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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless, clear
Odour:	characteristic

Test method

pH-Value:	not determined
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Changes in the physical state

Melting point:	< -50 °C
Initial boiling point and boiling range:	182 - 200 °C DIN EN ISO 3405
Flash point:	63 °C DIN EN ISO 2719
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	7,0 vol. %
Ignition temperature:	> 200 °C DIN 51794
Vapour pressure:	1 hPa calculated
(at 20 °C)	
Vapour pressure:	6 hPa calculated
(at 50 °C)	
Density (at 15 °C):	0,763 g/cm ³ DIN 51757
Water solubility:	virtually insoluble
Viscosity / kinematic:	1,9 mm ² /s DIN 51562
(at 20 °C)	

SECTION 10: Stability and reactivity



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 6 of 8

10.1. Reactivity

Stable with proper care and handling.

10.2. Chemical stability

The product is chemically stable when handled and stored under normal conditions.

10.3. Possibility of hazardous reactions

No decomposition if used as intended.

10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

Do not overheat to avoid decomposition by heat.

10.5. Incompatible materials

Reacts with : Oxidizing agents, strong.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Preparation related information

Acute toxicity, oral, Rat. LD50: > 5.000 mg/kg

Acute toxicity, inhalant, Rat. LC50: > 5000 mg/m³ (8 h)

Acute toxicity, dermal, Rabbit. LD50: > 5.000 mg/kg

The statement is derived from products of similar structure or composition.

Irritation and corrosivity

Irritant effect on the eye: Not an irritant.

Irritant effect on the skin: Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Sensitising effects

Evaluation: no danger of sensitization.

Severe effects after repeated or prolonged exposure

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

Carcinogenic/mutagenic/toxic effects for reproduction

No indications of human reproductive toxicity exist. No indications of human germ cell mutagenicity exist.

Specific effects in experiment on an animal

No data available

SECTION 12: Ecological information

12.1. Toxicity

Preparation related information

Daphnia magna: EL0 1000 mg/l (48 h)

Pseudokirchneriella subcapitata: EL0 1000 mg/l (72 h)



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 7 of 8

Pseudokirchneriella subcapitata: NOELR 1000 mg/l (72 h)

Oncorhynchus mykiss: LL0 1000 mg/l (96 h)

The statement is derived from products of similar structure or composition.

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

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.

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

14.6. Special precautions for user

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

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

Other applicable information

Not a hazardous material with respect to these transportation regulations.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Addisolv D

Print date: 13.10.2014

Product code: 716010

Page 8 of 8

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): This chemical is a VOC according to 99/13/EC.

National regulatory information

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Full text of R phrases referred to under Sections 2 and 3

- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.

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

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H413 May cause long lasting harmful effects to aquatic life.

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.

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