

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

j.thielmann®

AOS 75 R

Material number AOS-75 R

Revision date: 23/3/2018
Version: 2

Language: en-GB,IE

Date of print: 27/3/2018
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: AOS 75 R

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

General use: Welding protective agent
For industrial purposes only

1.3 Details of the supplier of the safety data sheet

Company name: J. Thielmann Gesellschaft fuer Automatisierungstechnik mbH
Street/POB-No.: Auf der Stuecke 19
Postal Code, city: 35708 Haiger-Rodenbach
Germany
WWW: www.j-thielmann.de
E-mail: info@j-thielmann.de
Telephone: +49 (0)2773 7 11 33
Telefax: +49 (0)2773 27 01
Dept. responsible for information:
Telephone: +49 (0)2773 7 11 33, Email: info@j-thielmann.de

1.4 Emergency telephone number

Telephone: +49 (0)2773 7 11 33
Only available during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

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.

P501

Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling:

Contains White mineral oil (petroleum).

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2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Repeated exposure may cause skin dryness or cracking. Danger of cutaneous absorption.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substance mentioned below with non-hazardous additions

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119487078-xxxx EC No. 232-455-8 CAS 8042-47-5	White mineral oil (petroleum)	80 - 100 %	Asp. Tox. 1; H304.

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical aid in case of troubles.

Following skin contact: Remove residues with soap and water. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Drink large quantities of water. Do not induce vomiting. Danger of aspiration! Never give anything by mouth to an unconscious person. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

4.2 Most important symptoms and effects, both acute and delayed

When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, foam, dry extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

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5.2 Special hazards arising from the substance or mixture

Combustible. Concentrated vapours are heavier than air.
In case of fire may be liberated: Carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -

Cool endangered containers with water spray and, if possible, remove from danger zone.
Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so. Wear suitable protective clothing. Avoid oil mist formation. Do not breathe vapours. Avoid prolonged, intensive skin contact and contact with the eyes.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers).
Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid oil mist formation. Do not breathe vapours. Avoid prolonged, intensive skin contact and contact with the eyes.
When using do not eat, drink or smoke.

Precautions against fire and explosion:

Eliminate all ignition sources if safe to do so. Avoid overheating.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed. Protect from light.

Hints on joint storage: Keep away from food and drinks.

7.3 Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

Type	Limit value
Great Britain: MEL/OES-STEL	10 mg/m ³ Oil mist
Great Britain: MEL/OES-TWA	5 mg/m ³ Oil mist
Ireland: 8 hours	5 mg/m ³ Oil mist mineral, inhalable fraction

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection is not necessary if room is well ventilated.

Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Recommendation: Protective gloves according to EN 374.

Glove material: Nitrile rubber

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Recommendation: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid prolonged, intensive skin contact and contact with the eyes. Change contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid

Colour: blue

Odour: odourless

Odour threshold: No data available

pH value: not applicable

Melting point/freezing point: approx. -18 °C

Initial boiling point and boiling range: 350 - 420 °C

Flash point/flash point range: 195 °C

Evaporation rate: No data available

Flammability: No data available

Explosion limits: No data available

Vapour pressure: at 20 °C: ≤ 0.001 hPa

Vapour density: No data available

Density: at 20 °C: 0.86 g/mL

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Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	at 20 °C: 30 mPa*s
Viscosity, kinematic:	<= 20 mm ² /s
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature: > 300 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to 10.3

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Protect from excessive heat.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

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

Effects on or via lactation: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

Other information: Information about White mineral oil (petroleum):
LD50 Rat, oral: > 5000 mg/k (OECD 401)
LD50 Rabbit, dermal: > 2000 mg/k (OECD 402)
LC50 Rat, inhalative: > 5000 mg/m³/4h (OECD 403)

Symptoms

In case of inhalation: After inhalation of hot vapours: Can irritate the mucous membrane.

In case of ingestion: After ingestion of high quantities: gastrointestinal complaints.

When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation.

After contact with skin: Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about White mineral oil (petroleum):

Fish toxicity:
LC50 *Leuciscus idus*: > 1000 mg/L/96h (OECD 203)

Daphnia toxicity:
LL50 *Daphnia magna* (Big water flea): > 100 mg/L/48h (OECD 202)

Algae toxicity:
NOEL *Pseudokirchneriella subcapitata* (green algae): >= 100 mg/L/72h (OECD 201)

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12.2 Persistence and degradability

Further details: Substance floats on the water surface.
Potentially biologically degradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 12 01 12* = Spent waxes and fats
* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.
Do not dispose of with household waste.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Do not remove label until container is thoroughly cleaned

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:
not applicable

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14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -
No data available

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out: White mineral oil (petroleum)

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H304 = May be fatal if swallowed and enters airways.

Reason of change: General revision
Date of first version: 2/1/2008

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

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

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.