



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

OPN-Special Separating Oil for Welding Robots

Version number: 2.0
Revision: 09.04.2018

Date of compilation: 07.07.2015

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

1.1 Product identifier

Identification of the substance	OPN-Special Separating Oil for Welding Robots
EC number	232-299-0
CAS number	8002-13-9

Other means of identification

Article number	65416
Tariff No.	38109090

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

Relevant identified uses	industrial use professional use
Sector of use	Release and maintenance agent
Uses advised against	consumer use (private households) Do not use for products that are intended for contact with food - exclude food contact.

1.3 Details of the supplier of the safety data sheet

OPN-CHEMIE OTTO PETRI GMBH
In der Au 14
D-57290 Neunkirchen/Germany
Tel.: +49 (0) 2735 / 7725-0
E-Mail: info@opn-chemie.de

Fax: +49 (0) 2735 / 7725-90
Web: www.opn-chemie.de

Further information obtainable from:

Safety data sheets Mrs. Barbara Angelika Gros-Petri
Tel.: +49 (0) 2735 / 7725-20

E-Mail: baerbel.petri@opn-chemie.de

1.4 24 hours Emergency telephone number:

Vergiftungs-Informations-Zentrale Freiburg +49 (0) 761 / 192 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

not required

2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances

EC number	232-299-0
CAS number	8002-13-9

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid action. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

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- 4.3 Indication of any immediate medical attention and special treatment needed**
none

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Suitable extinguishing media
water spray, BC-powder, carbon dioxide (CO₂)
Unsuitable extinguishing media
water jet
- 5.2 Special hazards arising from the substance or mixture**
- 5.3 Advice for firefighters**
Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Wear fully protective suit. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
For non-emergency personnel
Remove persons to safety.
For emergency responders
Wear breathing apparatus if exposed to vapours/dust/spray/gases.
- 6.2 Environmental precautions**
Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.
- 6.3 Methods and material for containment and cleaning up**
Advices on how to contain a spill
Covering of drains.
Advices on how to clean up a spill
Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).
Appropriate containment techniques
Use of adsorbent materials.
Other information relating to spills and releases
Place in appropriate containers for disposal. Ventilate affected area.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Recommendations
• **Measures to prevent fire as well as aerosol and dust generation**
Use only in well-ventilated areas.
Advice on general occupational hygiene
Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.
- 7.2 Conditions for safe storage, including any incompatibilities**
- 7.3 Specific end use(s)**
No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
National limit values
Occupational exposure limit values (Workplace Exposure Limits)
No information available.
- 8.2 Exposure controls**
Appropriate engineering controls
General ventilation.
Individual protection measures (personal protective equipment)
Eye/face protection
Use protective eyewear to guard against splash of liquids.

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Skin protection

By designated use no hand protection necessary.

• other protection measures

Take recovery periods for skin regeneration Preventive skin protection (barrier creams/ointments) is recommended Wash hands thoroughly after handling.

Respiratory protection

By designated use no protection necessary.

Environmental exposure controls

Use appropriate container to avoid environmental contamination.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	clear - light yellow
Odour	neutral

Other physical and chemical parameters

Initial boiling point and boiling range	>350 °C
Flash point	>300 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapour pressure	not determined
Density	0,91 – 0,92/cm ³ at 20 °C
Water solubility	insoluble
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Physical stresses which might result in a hazardous situation and have to be avoided

high temperatures

10.5 Incompatible materials

oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known Hazardous combustion products: see section 5.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Wassergefährdungsklasse, WGK (water hazard class)(WGK; Germany):nwg (non-hazardous to water)

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

Endocrine disrupting potential

Not listed. None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 Relevant provisions relating to waste

List of wastes

not assigned

13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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SECTION 14: Transport information

14.1	UN number	(not subject to transport regulations)
14.2	UN proper shipping name	not relevant
14.3	Transport hazard class(es) Class	-
14.4	Packing group	not relevant
14.5	Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)
14.6	Special precautions for user	There is no additional information.
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code	The cargo is not intended to be carried in bulk.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

• Restrictions according to REACH, Annex XVII

not listed

• List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

not listed

None of the ingredients are listed.

• Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

National regulations (Germany)

• Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) nwg (non-hazardous to water)

Index number 760

• Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	Organic substances		≥ 25 wt%	0,5 kg/h	50 mg/m ³	3)

Notation

3) A total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

• Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK): 10 (combustible liquids)

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Abbreviations and acronyms

ADR.	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
CAS.	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
CLP.	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
CMR.	Carcinogenic, Mutagenic or toxic for Reproduction.
GHS.	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
LGK.	Lagerklasse (storage class according to TRGS 510, Germany).
MARPOL.	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").
PBT.	Persistent, Bioaccumulative and Toxic.
REACH.	Registration, Evaluation, Authorisation and Restriction of Chemicals.
SVHC.	Substance of Very High Concern.
TRGS.	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
VPvB.	Very Persistent and very Bioaccumulative.

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Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.