



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

OPN-UF 2001® Welding Emulsion MILKY

Version number: 3.0
Revision: 2023-04-27

Date of compilation: 2016-04-01

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

1.1	Product identifier	
	Trade name	OPN-UF 2001® Welding Emulsion MILKY
	Other means of identification	
	Article number	65107
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Relevant identified uses	Professional use Industrial use Consumer use (private households) Special welding separating agent
	Sector of use	
	Uses advised against	Do not use for products which come into contact with foodstuffs
1.3	Details of the supplier of the safety data sheet	
	OPN-CHEMIE GmbH In der Au 14 57290 Neunkirchen	
	www.opn-chemie.de	
	Competent person responsible for the safety data sheet	Barbara Angelika Gros-Petri
	e-mail (competent person)	baerbel.petri@opn-chemie.de
1.4	Emergency telephone number	
	Emergency information service	Poison Information Center Freiburg +49(0)761/19240

SECTION 2: Hazards identification

2.1	Classification of the substance or mixture	
	Classification according to Regulation (EC) No 1272/2008 (CLP)	
	This mixture 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	
	Results of PBT and vPvB assessment	
	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	
	Endocrine disrupting properties	
	Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.	

SECTION 3: Composition/information on ingredients

3.1	Substances	
	Not relevant (mixture).	
3.2	Mixtures	
	Description of the mixture	Mixture of substances listed below with nonhazardous additions
	This product does not meet the criteria for classification in any hazard class according to GHS	

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 actions. 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.	
	Following ingestion	
	Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.	

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- 4.2 Most important symptoms and effects, both acute and delayed
Symptoms and effects are not known to date.
- 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
In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

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
Advice on how to contain a spill
Covering of drains.
Advice 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.
- 6.4 Reference to other sections
Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Recommendations
Measures to prevent fire as well as aerosol and dust generation
Use local and general ventilation. 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 feedingstuffs.
- 7.2 Conditions for safe storage, including any incompatibilities
Managing of associated risks
Storage class (LGK)
12
Control of effects
Protect against external exposure, such as
frost

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- 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)
this information is not 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.
Skin protection
Hand 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.
Environmental exposure controls
Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- | | |
|---|---------------------|
| Physical state | Liquid |
| Colour | Whitish |
| Odour | Product specific |
| Initial boiling point and boiling range | 100 °C at 1.013 bar |
| Flammability (solid, gas) | non-combustible |
| Explosive limits | Not determined |
| Flash point | Not determined |
| Auto-ignition temperature | 370 °C |
| Water solubility | Partially soluble |
| Vapour pressure | Not determined |
| Density | 0.989 g/ml |
- 9.2 Other information
Other safety characteristics
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
The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- 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
There is no additional information.

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- 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.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Test data are not available for the complete mixture.
Classification procedure
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).
Classification according to GHS (1272/2008/EC, CLP)
This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.
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.
Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.
Carcinogenicity
Shall not be classified as carcinogenic.
Reproductive toxicity
Shall not be classified as a reproductive toxicant.
• Specific target organ toxicity - single exposure
Shall not be classified as a specific target organ toxicant (single exposure).
• Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).
Aspiration hazard
Shall not be classified as presenting an aspiration hazard.
- 11.2 Information on other hazards
There is no additional information.

SECTION 12: Ecological information

- 12.1 Toxicity
Ordinance on systems for handling water-polluting substances (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK (Germany) 1, slightly 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
According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.
- 12.6 Endocrine disrupting properties
Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.
- 12.7 Other adverse effects
Data are not available.

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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/packages
Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.
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.

SECTION 14: Transport information

- | | | |
|------|---|---|
| 14.1 | UN number or ID number | Not subject to transport regulations |
| 14.2 | UN proper shipping name | Not relevant |
| 14.3 | Transport hazard class(es) | None |
| 14.4 | Packing group | Not assigned |
| 14.5 | Environmental hazards | Non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user | There is no additional information. |
| 14.7 | Maritime transport in bulk according to IMO instruments | The cargo is not intended to be carried in bulk. |

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)Additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG)Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)Additional information

Not subject to ICAO-IATA.

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
none of the ingredients are listed
List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list
none of the ingredients are listed
Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
none of the ingredients are listed
Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)
none of the ingredients are listed
Water Framework Directive (WFD)
none of the ingredients are listed
Regulation on persistent organic pollutants (POP)
None of the ingredients are listed.
National regulations (Germany)
Ordinance on systems for handling water-polluting substances (Ordinance on facilities for handling substances hazardous to water)(AwSV)
Water hazard class 1 (slightly hazardous to water)

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Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	Organic substances		10 – < 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) 12 (Non-combustible liquids)

National inventories

Country	Inventory	Status
EU	REACH Reg.	Not all ingredients are listed

Legend

REACH Reg. REACH registered substances

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Indication of changes (revised safety data sheet)

Alignment to regulation. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

Restructuring: section 9, section 14

16.2 Abbreviations and acronyms

ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
DGR	Dangerous Goods Regulations (see IATA/DGR).
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
IATA	International Air Transport Association.
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO	International Civil Aviation Organization.
IMDG	International Maritime Dangerous Goods Code.
LGK	Lagerklasse (storage class according to TRGS 510, Germany).
PBT	Persistent, Bioaccumulative and Toxic.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).
SVHC	Substance of Very High Concern.
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
VPvB	Very Persistent and very Bioaccumulative.

16.3 Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

16.4 Classification procedure

Physical and chemical properties. The classification is based on tested mixture.
Health hazards. The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

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