



Safety Data Sheet

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

OPN-UF 2001® Weld Separating Agent CLEAR

Version number: 1.0
Revision: 26.01.2018

Date of compilation: 26.01.2018

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

1.1 Product identifier

Trade name **OPN-UF 2001® Weld Separating Agent CLEAR**
Base watery emulsion

Other means of identification

Article number 65157

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

Relevant identified uses professional use
industrial use
Sector of use Special welding separating agent
consumer use (private households)
Uses advised against 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

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.3	serious eye damage/eye irritation	Cat. 1	(Eye Dam. 1)	H318

Remarks

For full text of H-phrases: see SECTION 16.

2.2 Label elements

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

Signal word Danger

Pictograms

GHS05



Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P501 Dispose of contents/container to hazardous or special waste.

Hazardous ingredients for labelling: Isotridecanol, ethoxylated

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2.3 Other hazards

There is no additional information.

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

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms
Isotridecanol, ethoxylated	CAS No 69011-36-5 EC No 500-241-6 REACH Reg. No 01-2119976362-32- xxxx	10 – < 25	Acute Tox. 4 / H302 Eye Dam. 1 / H318	

3.3

For full text of abbreviations: see SECTION 16.

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.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

water spray, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

Special hazards arising from the substance or mixture

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.

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SECTION 6: Accidental release measures

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.

Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

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 feedingstuffs.

Conditions for safe storage, including any incompatibilities

• Control of effects

• Protect against external exposure, such as

frost

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Isotridecanol, ethoxylated	69011-36-5	DNEL	294 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - systemic effects
Isotridecanol, ethoxylated	69011-36-5	DNEL	2.080 mg/kg	Human, dermal	Worker (industry)	Chronic - systemic effects

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• relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Isotridecanol, ethoxylated	69011-36-5	PNEC	0,074 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0,007 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0,015 mg/l	Aquatic organisms	Water	Intermittent release
Isotridecanol, ethoxylated	69011-36-5	PNEC	1,4 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0,604 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0,06 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0,1 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)

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

Wear protective gloves if necessary.

• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

• type of material

NBR: acrylonitrile-butadiene rubber

• 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

different

Odour

characteristic

Other physical and chemical parameters

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Initial boiling point and boiling range	100 °C at 1,01 bar
Flash point	
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapour pressure	<0,1 hPa at 20 °C
Density	1 g/ml
Water solubility	insoluble
n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	360 °C
Viscosity	not determined
Explosive properties	none
Oxidising properties	none
Other information	
Solvent content	11 %

SECTION 10: Stability and reactivity

Reactivity

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

Chemical stability

See below "Conditions to avoid".

Possibility of hazardous reactions

No known hazardous reactions.

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

Incompatible materials

oxidisers

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

Information on toxicological effects

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)

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Isotridecanol, ethoxylated	69011-36-5	Oral	2.000 mg/kg

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

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Serious eye damage/eye irritation

Causes serious eye damage.

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

Toxicity

Wassergefährdungsklasse, WGK (water hazard class) (WGKGermany): 2 (obviously hazardous to water)

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Isotridecanol, ethoxylated	69011-36-5	LL50	2,5 mg/l	Fish	96 h
Isotridecanol, ethoxylated	69011-36-5	EC50	1,5 mg/l	Aquatic invertebrates	48 h

Biodegradation

The relevant substances of the mixture are readily biodegradable.

Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
Isotridecanol, ethoxylated	69011-36-5	DOC removal	82 %	28 d

Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Isotridecanol, ethoxylated	69011-36-5	232		

Mobility in soil

Data are not available.

Results of PBT and vPvB assessment

Data are not available.

Other adverse effects

Data are not available.

Endocrine disrupting potential

None of the ingredients are listed.

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SECTION 13: Disposal considerations

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

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

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

UN number	(not subject to transport regulations)
UN proper shipping name	not relevant
Transport hazard class(es)	
Class	-
Packing group	not relevant
Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)

Special precautions for user

There is no additional information.

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

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

Relevant provisions of the European Union (EU)

• List of substances subject to authorisation (REACH, Annex XIV)

None of the ingredients are listed.

• Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)

VOC content 11 %
1.011 g/l

• Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content 0 %

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

None of the ingredients are 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) 2 (obviously hazardous to water)

• 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)

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

Storage class (LGK): 10 (combustible liquids)

Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

Acute Tox.	Acute toxicity.
ADR.	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
ATE.	Acute Toxicity Estimate.
BCF.	Bioconcentration factor.
BOD.	Biochemical Oxygen Demand.
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.
COD.	Chemical oxygen demand.
DMEL.	Derived Minimal Effect Level.
DNEL.	Derived No-Effect Level.
EC No.	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
EINECS.	European Inventory of Existing Commercial Chemical Substances.
ELINCS.	European List of Notified Chemical Substances.
Eye Dam.	Seriously damaging to the eye.
Eye Irrit.	Irritant to the eye.
GHS.	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
LGK.	Lagerklasse (storage class according to TRGS 510, Germany).
Log KOW.	n-Octanol/water.
MARPOL.	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").
NLP.	No-Longer Polymer.
PBT.	Persistent, Bioaccumulative and Toxic.
PNEC.	Predicted No-Effect Concentration.
REACH.	Registration, Evaluation, Authorisation and Restriction of Chemicals.
TRGS.	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
VOC.	Volatile Organic Compounds.
VPvB.	Very Persistent and very Bioaccumulative.

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)

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).

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

H302.	Harmful if swallowed.
H318.	Causes serious eye damage.

Disclaimer

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