



Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

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

| | | |
|-----|---|---|
| 1.1 | Product identifier | |
| | Trade name | OPN-Special Cleaner |
| | Unique formula identifier (UFI) | M5UQ-Q5K2-R000-9P4G |
| | Other means of identification | |
| | Article number | 64215 |
| | Tariff No | 38249097 |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | |
| | Relevant identified uses | Cleaning agent Professional use Consumer use (private households) Industrial use |
| | Sector of use | Cleaning agent |
| | 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)

| Section | Hazard class | Hazard class and category | Hazard statement |
|---------|---|---------------------------|------------------|
| 2.3 | Aerosols | Aerosol 1 | H222,H229 |
| 3.3 | Serious eye damage/eye irritation | Eye Irrit. 2 | H319 |
| 3.8D | Specific target organ toxicity - single exposure (narcotic effects, drowsiness) | STOT SE 3 | H336 |

| Code | Supplemental hazard information |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking |

Remarks

For full text of abbreviations: see SECTION 16

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

Signal word Danger

Pictograms

GHS02, GHS07



Hazard statements

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P271 Use only outdoors or in a well-ventilated area.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
P501 Dispose of contents / container in accordance with national regulations of the disposal.

Additional labelling requirements

EUH066 Repeated exposure may cause skin dryness or cracking.
Buildup of explosive mixtures possible without sufficient ventilation.

Hazardous ingredients for labelling

Acetone
Propan-2-ol

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

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|-------------------|--|-----------|--|---|
| Butane | CAS No 106-97-8 EC No 203-448-7 REACH Reg. No 01-2119474691- 32-xxxx | 25 – < 50 | Flam. Gas 1A / H220 Press. Gas L / H280 |  |
| Propan-2-ol | CAS No 67-63-0 EC No 200-661-7 REACH Reg. No 01-2119457558- 25-xxxx | 25 – < 50 | Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336 |  |
| Acetone | CAS No 67-64-1 EC No 200-662-2 REACH Reg. No 01-2119471330- 49-xxxx 01-2119498062- 37-xxxx | 25 – < 50 | Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336 |  |




Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|-------------------|---|----------|--|---|
| Propane | CAS No 74-98-6 EC No 200-827-9 REACH Reg. No 01-2119486944- 21-xxxx | 5 – < 10 | Flam. Gas 1A / H220 Press. Gas C / H280 |  |
| Carbon dioxide | CAS No 124-38-9 EC No 204-696-9 | 1 – < 5 | Press. Gas C / H280 |  |
| Isobutane | CAS No 75-28-5 EC No 200-857-2 REACH Reg. No 01-2119485395- 27-xxxx | 1 – < 5 | Flam. Gas 1A / H220 Press. Gas C / H280 |  |

3.3 Remarks

For full text of abbreviations: see SECTION 16

3.4 Regulation (EC) no. 648/2004 on detergents / Labelling for contents

Aliphatic hydrocarbons.

30 % and more.

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.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

none

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
Suitable extinguishing media
Water spray. BC-powder.
Unsuitable extinguishing media
Water jet.
- 5.2 Special hazards arising from the substance or mixture
In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.
Hazardous combustion products
Carbon monoxide (CO). Carbon dioxide (CO₂).
- 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.
Other information relating to spills and releases
Place in appropriate containers for disposal. Ventilate affected area.
- 6.4 Reference to other sections
Hazardous combustion products: see section 5. 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)
2 B
- Flammability hazards
- Do not spray on an open flame or other ignition source. Protect from sunlight.
Consideration of other advice
- Packaging compatibilities
- Only packagings which are approved (e.g. acc. to ADR) may be used.
- 7.3 Specific end use(s)
No further relevant information available.

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

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
Relevant DNELs/DMELs/PNECs and other threshold levels
Relevant DNELs of components of the mixture

| 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 |
| Acetone | 67-64-1 | DNEL | 1,210 mg/m ³ | Human, inhalatory | Worker (industry) | Chronic - systemic effects |
| Acetone | 67-64-1 | DNEL | 2,420 mg/m ³ | Human, inhalatory | Worker (industry) | Acute - local effects |
| Acetone | 67-64-1 | DNEL | 186 mg/kg bw/day | Human, dermal | Worker (industry) | Chronic - systemic effects |

Relevant PNECs of components of the mixture

| Relevant PNECs of components of the mixture | | | | | | |
|---|---------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Acetone | 67-64-1 | PNEC | 100 mg/l | Microorganisms | Sewage treatment plant (STP) | Short-term (single instance) |
| Acetone | 67-64-1 | PNEC | 21 mg/l | Aquatic organisms | Water | Intermittent release |
| Acetone | 67-64-1 | PNEC | 10.6 mg/l | Aquatic organisms | Freshwater | Short-term (single instance) |
| Acetone | 67-64-1 | PNEC | 1.06 mg/l | Aquatic organisms | Marine water | Short-term (single instance) |
| Acetone | 67-64-1 | PNEC | 100 mg/l | Aquatic organisms | Sewage treatment plant (STP) | Short-term (single instance) |
| Acetone | 67-64-1 | PNEC | 30.4 mg/kg | Aquatic organisms | Freshwater sediment | Short-term (single instance) |
| Acetone | 67-64-1 | PNEC | 3.04 mg/kg | Aquatic organisms | Marine sediment | Short-term (single instance) |
| Acetone | 67-64-1 | PNEC | 29.5 mg/kg | Terrestrial organisms | Soil | Short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 2,251 mg/l | Microorganisms | Sewage treatment plant (STP) | Short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 160 mg/kg | Aquatic organisms | Water | Short-term (single instance) |

- 8.2 Exposure controls
Appropriate engineering controls
General ventilation.
Individual protection measures (personal protective equipment)
Eye/face protection
Do not spray in eyes. If required use tight-fitting goggles.
Skin protection
Hand protection
Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

Type of material

NBR: acrylonitrile-butadiene rubber.

Material thickness

> 0,7 mm

Breakthrough times of the glove material

>480 minutes (permeation: level 6)

Other protection measures

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

Respiratory protection

Operate if possible out of doors or in a well-ventilated place. In case of inadequate ventilation wear respiratory protection. Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

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

Aerosol (Spray aerosol)

Colour

Colourless

Odour

Characteristic

Initial boiling point and boiling range

Not applicable, as aerosol.*

Flammability (solid, gas)

flammable aerosol in accordance with GHS criteria

Explosive limits

2 vol% - 15 vol%

Flash point

Not applicable, as aerosol.*

Water solubility

Soluble

Vapour pressure

6.5 bar at 20 °C

Density

0,69 g/ml at 20 °C

9.2 Other information

Other safety characteristics

* The finished mixture in an aerosol container is formed after addition of propellant. Several details are not measurable in an hermetic closed, pressurized container.

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

Hints to prevent fire or explosion

Protect from sunlight.

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.

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

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)
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
Causes serious eye irritation.
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
May cause drowsiness or dizziness.
• 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.
Other information
Repeated exposure may cause skin dryness or cracking.
- 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.

Safety Data Sheet

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

OPN-Special Cleaner


Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

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
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.
Relevant provisions relating to waste
List of wastes
15 01 04 Metallic packaging
15 01 10 Packaging containing residues of or contaminated by dangerous substances
16 05 04 Containing hazardous gases in pressure containers (including halons)
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
ADR/RID/ADN UN
1950
IMDG-Code UN
1950
ICAO-TI UN
1950
- 14.2 UN proper shipping name
ADR/RID/ADN AEROSOLS
IMDG-Code AEROSOLS
ICAO-TI Aerosols, flammable
- 14.3 Transport hazard class(es)
ADR/RID/ADN 2
(2.1)
IMDG-Code 2.1
ICAO-TI 2.1
- 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
Provisions for dangerous goods (ADR) should be complied within the premises.
- 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
Classification code 5F
Danger label(s) 2.1
- 
- Special provisions (SP) 190, 327, 344, 625
Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
Transport category (TC) 2
Tunnel restriction code (TRC) D

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant

-

Danger label(s)

2.1



Special provisions (SP)

63, 190, 277, 327, 344, 381, 959

Excepted quantities (EQ)

E0

Limited quantities (LQ)

1 L

EmS

F-D, S-U

Stowage category

-

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

Danger label(s)

2.1



Special provisions (SP)

A145, A167

Excepted quantities (EQ)

E0

Limited quantities (LQ)

30 kg

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 75/324/EEC relating to aerosol dispensers

Classification of the gas/aerosol

Extremely flammable

Labelling

Keep out of reach of children. Pressurized container: may burst if heated. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

Additional information

-

Deco-Paint Directive

VOC content

98.5 %

679.7 g/l

The maximum content of VOC of the product in a ready to use condition

Industrial Emissions Directive (IED)

VOC content

98.5 %

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)

| Pollutant release and transfer registers (PRTR) | | | |
|---|----------|---------|---|
| Name of substance | CAS No | Remarks | Threshold for releases to air (kg/year) |
| Carbon dioxide | 124-38-9 | | 100 million |

Water Framework Directive (WFD)

none of the ingredients are listed

Regulation 648/2004/EC on detergents

Labelling of contents.

Aliphatic hydrocarbons.

30 % and more.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Meldepflichtige Ausgangsstoffe für Explosivstoffe gemäß Anhang II:

Substance is listed: Aceton (CAS-Nr. 67-64-1).

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)

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) 2 B (Aerosol dispensers and lighters)

National inventories

| Country | Inventory | Status |
|---------|------------|----------------------------|
| EU | REACH Reg. | 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

Insertion: UFI: M5UQ-Q5K2-R000-9P4G

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). |
| ADR/RID/ADN | Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN). |
| 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. |
| DGR | Dangerous Goods Regulations (see IATA/DGR). |
| 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. |
| EmS | Emergency Schedule. |
| Eye Dam. | Seriously damaging to the eye. |
| Eye Irrit. | Irritant to the eye. |
| Flam. Gas | Flammable gas. |
| Flam. Liq. | Flammable liquid. |
| 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. |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air. |
| IMDG | International Maritime Dangerous Goods Code. |
| IMDG-Code | International Maritime Dangerous Goods Code. |
| LGK | Lagerklasse (storage class according to TRGS 510, Germany). |
| NLP | No-Longer Polymer. |

Safety Data Sheet

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

OPN-Special Cleaner

Version number: 4.0
Revision: 2023-04-25

Date of compilation: 2015-05-09

| | |
|------------|--|
| PBT | Persistent, Bioaccumulative and Toxic. |
| PNEC | Predicted No-Effect Concentration. |
| Press. Gas | Gas under pressure. |
| 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). |
| STOT SE | Specific target organ toxicity - single exposure. |
| SVHC | Substance of Very High Concern. |
| TRGS | Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany). |
| VOC | Volatile Organic Compounds. |
| 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).

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

| | |
|------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

Disclaimer

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