

Productname : OXIDE CLEAN
Ref.Nr.: BDS000535_3_20170629 (EN) **Creationdate :** 29.06.17 Version : 3.0
Replaces: BDS000535_20131206

Health: Skin irritation, category 2
 Causes skin irritation.
 Eye irritation, category 2
 Causes serious eye irritation.
 Specific target organ toxicity - single exposure, category 3
 May cause drowsiness or dizziness.

Classification based on calculation method.

Environment: Hazardous to the aquatic environment, chronic category 3
 Harmful to aquatic life with long lasting effects.

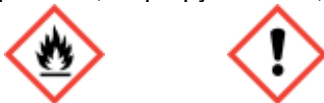
Classification based on calculation method.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:
 propan-2-ol; isopropyl alcohol ;isopropanol

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s): H222 : Extremely flammable aerosol.
 H229 : Pressurised container: May burst if heated.
 H315 : Causes skin irritation.
 H319 : Causes serious eye irritation.
 H336 : May cause drowsiness or dizziness.
 H412 : Harmful to aquatic life with long lasting effects.

Precautionary statement(s): 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 dust/fume/gas/mist/vapours/spray.
 P271 : Use only outdoors or in a well-ventilated area.
 P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard information: None

Regulation (EC) No 648/2004 on detergents: aliphatic hydrocarbons 15 - 30 %

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances



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Not applicable.

3.2. Mixtures

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|---|---------------------|-----------|-------------|-------|--|--------------------------|-------|
| propan-2-ol; isopropyl alcohol ;isopropanol | 01-2119457558-25 | 67-63-0 | 200-661-7 | 50-75 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 | H225,H319,H336 | B |
| Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane | 01-2119475514-35 | - | (921-024-6) | <25 | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2 | H225,H315,H336,H304,H411 | B,Q |
| white mineral oil (petroleum) | 01-2119487078-27 | 8042-47-5 | 232-455-8 | 5-10 | | - | B |
| carbon dioxide | - | 124-38-9 | 204-696-9 | 1-5 | Press. Gas | H280 | A,G |

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)of REACH Regulation No 1907/2006

Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|---|
| Contact with eyes : | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Contact with skin : | Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| Inhalation : | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Ingestion : | If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-----------------------|--|
| Inhalation : | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting |
| Skin contact : | Irritating to skin Symptoms : redness and pain |
| Eye contact : | Irritating to eyes Symptoms : redness and pain, impaired vision |



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4.3. Indication of any immediate medical attention and special treatment needed

General Advice : If you feel unwell, seek medical advice (show the label where possible)
If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent
Do not use water jet extinguishing media, due to the risk of spreading fire.

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container
This material and/or its container must be disposed of as hazardous waste.

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage



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7.1. Precautions for safe handling

Keep away from heat and sources of ignition
 Take precautionary measures against static discharges
 Equipment should be earthed
 Use explosion-proof electrical/ventilating/lighting/.../equipment.
 Use only non-sparking tools.
 Do not breathe aerosols or vapours.
 Ensure adequate ventilation
 Avoid contact with skin and eyes.
 Wash thoroughly after use
 Wear protective gloves/protective clothing/eye protection/face protection.
 Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep out of reach of children.

7.3. Specific end use(s)

Cleaners - Precision

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

| Hazardous ingredient | CAS-nr. | method | |
|---|----------|--------|------------|
| EU established exposure limits: | | | |
| carbon dioxide | 124-38-9 | TWA | 9000 mg/m3 |
| | | STEL | 1800 mg/m3 |
| propan-2-ol; isopropyl alcohol ;isopropanol | 67-63-0 | TWA | 400 ppm |
| | | STEL | 500 ppm |
| National established exposure limits, United Kingdom | | | |
| carbon dioxide | 124-38-9 | TWA | 5000 ppm |
| | | STEL | 15000 ppm |
| propan-2-ol; isopropyl alcohol ;isopropanol | 67-63-0 | TWA | 400 ppm |
| | | STEL | 500 ppm |

8.2. Exposure controls

Control procedures : Ensure adequate ventilation
 Keep away from heat and sources of ignition
 Take precautionary measures against static discharges

Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.



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| | |
|-------------------------------------|---|
| | Ensure adequate ventilation In all cases handle and use the product in accordance with good industrial hygiene practices. |
| inhalation : | In case of insufficient ventilation, wear suitable respiratory equipment. |
| recommended respiratory protection: | Air purifying respirator equipped with organic gas/vapor cartridge (type AX) |
| hands and skin : | When handling the product wear chemical-resistant gloves (standard EN 374). |
| Recommended gloves: | Nitrile |
| | The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. |
| | Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right glove material and breakthrough time. |
| eyes : | Wear safety eyewear according to EN 166. |
| Environmental protection: | Avoid release to the environment. Collect spillage. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

| | |
|---|-----------------------------------|
| Appearance : physical state : | Liquid. |
| colour : | Red. |
| odour : | Characteristic odor. |
| pH : | Not applicable. |
| Boiling point/range : | Not available. |
| Flash point : | < 0 °C |
| Evaporation rate : | Not available. |
| Explosion limits : upper limit : | Not available. |
| lower limit : | Not available. |
| Vapour pressure : | Not available. |
| Relative density : | 0.756 g/cm ³ (@ 20°C). |
| Solubility in water : | Insoluble in water |
| Auto-ignition : | > 200 °C |
| Viscosity : | Not available. |

9.2. Other information

| | |
|---|---------|
| VOC = volatile organic compounds | 756 g/l |
|---|---------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability



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Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity: based on available data the classification criteria are not met
skin corrosion/irritation: Causes skin irritation.
serious eye damage/irritation: Causes serious eye irritation.
respiratory or skin sensitisation: based on available data the classification criteria are not met
germ cell mutagenicity: based on available data the classification criteria are not met
carcinogenicity: based on available data the classification criteria are not met
toxicity for reproduction: based on available data the classification criteria are not met
STOT-single exposure: May cause drowsiness or dizziness.
STOT repeated exposure: based on available data the classification criteria are not met
aspiration hazard: based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion : After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
Skin contact : Irritating to skin
Eye contact : Irritating to eyes

Toxicological data :

| Hazardous ingredient | CAS-nr. | method | |
|---|---------|---------------|------------|
| propan-2-ol; isopropyl alcohol ;isopropanol | 67-63-0 | LD50 oral rat | 5840 mg/kg |



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| | | | |
|---|-----------|-----------------|---------------|
| | | LC50 inhal.rat | > 25000 mg/l |
| | | LD50 derm.rabit | 13900 mg/kg |
| white mineral oil (petroleum) | 8042-47-5 | LD50 oral rat | > 5000 mg/kg |
| | | LC50 inhal.rat | > 5 mg/l |
| | | LD50 derm.rabit | > 2000 mg/kg |
| Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane | - | LD50 oral rat | > 5000 mg/kg |
| | | LC50 inhal.rat | > 25000 mg/m3 |
| | | LD50 derm.rat | > 2000 mg/kg |

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3
 Harmful to aquatic life with long lasting effects.

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|---|---------|--------------|-----------|
| propan-2-ol; isopropyl alcohol ;isopropanol | 67-63-0 | IC50 algae | 1000 mg/l |
| | | LC50 fish | 9640 mg/l |
| | | EC50 daphnia | 9714 mg/l |
| Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane | - | LC50 fish | > 10 mg/l |
| | | EC50 daphnia | 3 mg/l |

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No experimental data available

SECTION 13: Disposal considerations



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

The Safety Data Sheet is compiled according to the current European requirements.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: - : -

H225 : Highly flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.
H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 8.2. Exposure controls

acronyms and synonyms: TWA = time weight average
STEL = short time exposure limit
VOC = volatile organic compounds
PBT = persistent bioaccumulative toxic
vPvB = very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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