

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.01.2021

Revision: 01.01.2021

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

- **1.1 Product identifier**
- **Trade name:** O2PRO DEGREASER
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Exterior vehicle cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
O2 PROFORMANCE
AL-KHOBAR
31952 ARABIA SAUDITA
Telephone Number: +96613 8899555
Email: customercare@o2proformance.com
- **Informing department:** customercare@o2proformance.com
- **1.4 Emergency telephone number:** Contact the local hospital or the poison control center closest to you

* **SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.
 Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word Danger**

- **Hazard-determining components of labelling:**

1-hydroxy ethyldene-1,1diphosphonic acid
sodium hydroxide

Alcohol ethoxylate C11-C13

Betaine alkyl amido propil dimetil

- **Hazard statements**

H314 Causes severe skin burns and eye damage.

- **Precautionary statements**

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

* SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures

- **Description:** Mixture of the substances listed below with harmless additions.

- Dangerous components:

CAS: 2809-21-4 EINECS: 220-552-8 Reg.nr.: 01-2119510391-53	1-hydroxy ethylidene-1,1diphosphonic acid Eye Dam. 1, H318	<10%
CAS: 26183-52-8 Polymer	Alcohol ethoxylate C11-C13 Eye Dam. 1, H318; Acute Tox. 4, H302	<10%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314	<10%
CAS: 5064-31-3 EINECS: 225-768-6 Reg.nr.: 01-2119519239-36	trisodium nitrilotriacetate Carc. 2, H351; Acute Tox. 4, H302; Eye Irrit. 2, H319	<5%
CAS: 61789-40-0 EINECS: 263-058-8 Reg.nr.: 01-2119488533-30	Betaine alkyl amido propil dimetil Eye Dam. 1, H318; Aquatic Chronic 3, H412	<2%
CAS: 102-71-6 EINECS: 203-049-8	2,2',2''-nitrilotriethanol Eye Irrit. 2, H319	<2%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314; Acute Tox. 4, H302	<2%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	<2%
- Regulation (EC) No 648/2004		
phosphonates, non-ionic surfactants		5 - 15%
NTA (nitrilotriacetic acid) and salts thereof, amphoteric surfactants		< 5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General information** Instantly remove any clothing soiled by the product.

- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.

- After skin contact

Instantly wash with water and soap and rinse thoroughly.

Instantly rinse with water.

- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

- After swallowing

Do not induce vomiting; instantly call for medical help.

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Dilute with much water.
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Do not store together with acids.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class**
- **Class according to regulation on inflammable liquids:** Void
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**

1310-58-3 potassium hydroxide	
WEL	Short-term value: 2 mg/m ³
67-63-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
- **Additional information:** The lists that were valid during the compilation were used as basis.

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Trade name: O2PRO DEGREASER**- 8.2 Exposure controls**

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- Personal protective equipment**- General protective and hygienic measures***Keep away from foodstuffs, beverages and food.**Take off immediately all contaminated clothing**Wash hands during breaks and at the end of the work.**Avoid contact with the eyes and skin.***- Breathing equipment:** Not required.**- Protection of hands:**

Protective gloves.

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation***- Material of gloves** Rubber gloves**- Penetration time of glove material***The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.***- Eye protection:**

Tightly sealed safety glasses.

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SECTION 9: Physical and chemical properties**- 9.1 Information on basic physical and chemical properties****- General Information****- Appearance:****Form:** Liquid**Colour:** Green**- Odour:** Characteristic**- Odour threshold:** Not determined.**- pH-value:** > 12**- Change in condition****Melting point/Melting range:** - 10 °C**Boiling point/Boiling range:** 100 °C**- Flash point:** 180 °C**- Inflammability (solid, gaseous)** Not applicable.**- Ignition temperature:****Decomposition temperature:** Not determined.**- Self-inflammability:** Product is not selfigniting.**- Danger of explosion:** Product is not explosive.**- Critical values for explosion:****Lower:** Not determined.**Upper:** Not determined.**- Vapour pressure at 20 °C:** 23 hPa**- Density at 20 °C** 1.18 g/cm³**- Relative density** Not determined.**- Vapour density** Not determined.**- Evaporation rate** Not determined.**- Solubility in / Miscibility with****Water:** Fully miscible**- Partition coefficient (n-octanol/water):** Not determined.(Contd. on page 5)
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- Viscosity:	(Contd. of page 4)
dynamic:	<i>Not determined.</i>
kinematic:	<i>Not determined.</i>
- Solvent content:	
Organic solvents:	<i>< 1 %</i>
Water:	<i>> 60 %</i>
Solids content:	<i>< 40 %</i>
- 9.2 Other information	<i>No further relevant information available.</i>
- Additional information	
VOC / COV (%)	<i>0.50 %</i>

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

1310-73-2 sodium hydroxide
Oral LD50 2000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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Must not reach sewage water or drainage ditch undiluted or unneutralised.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

- 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations**- 13.1 Waste treatment methods****- Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information**- UN-Number**

- **ADR, IMDG, IATA**

UN1719

- 14.2 UN proper shipping name

- **ADR, IMDG, IATA**

CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE)

- 14.3 Transport hazard class(es)

- **ADR, IMDG, IATA**

**- Class**

8 Corrosive substances.

- Label

8

- Packing group

- **ADR, IMDG, IATA**

III

- 14.5 Environmental hazards:

- **Marine pollutant:**

No

- 14.6 Special precautions for user

Warning: Corrosive substances.

- **Kemler Number:**

80

- **EMS Number:**

F-A,S-B

- **Segregation groups**

Alkalies

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

- Transport/Additional information:

- **ADR**

5L

- **Limited quantities (LQ)**

Code: E1

- **Excepted quantities (EQ)**

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

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- Transport category

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- Tunnel restriction code	E
- IMDG	5L
- Limited quantities (LQ)	Code: E1
- Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

* **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Classification according to VbF:** Void
- **Technical instructions (air):**

Class	Share in %
Wasser	71.6
NK	0.5

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

- **Department issuing data specification sheet:** O2 PROFORMANCE

- **Contact:** customercare@o2proformance.com

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB:

very Persistent and very Bioaccumulative Flam. Liq.

2: Flammable liquids, Hazard Category 2

Met. Corr. 1: Corrosive to metals, Hazard Category 1

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Carc. 2: Carcinogenicity, Hazard Category 2

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*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
- * Data compared to the previous version altered.*

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