

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PRODUCT

**NAME OF THE PRODUCT** Water based degreaser 5L  
**CODE** 020012

## 2. HAZARDS IDENTIFICATION

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



GHS02 flame  
 Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07  
 Eye Irrit. 2 H319 Causes serious eye irritation.

### 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



GHS02



GHS07

**Signal word:** Danger

#### Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### Precautionary statements

- |                |  |
|----------------|--|
| P101           | If medical advice is needed, have product container or label at hand.  |
| P102           | Keep out of reach of children.   |
| P103           | Read label before use.   |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P280           | Wear protective gloves/protective clothing/eye protection/face 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. |
| P403+P235      | Stocker dans un endroit bien ventilé. Tenir au frais.  |
| P501           | Éliminer le contenu/réceptacle conformément à la réglementation locale/régionale/ nationale/internationale.                      |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |

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

### 2.3 Other hazards

#### Results of PBT and vPvB assessment







**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Chemical characterisation: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components :		
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	<b>propan-2-ol</b>  Flam. Liq. 2, H225; ~  Eye Irrit.2, H319; STOT SE 3, H336	<b>2,5-&lt;10%</b>
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	<b>acetone</b>  Flam. Liq. 2, H225; !~  Eye Irrit. 2, H319; STOT SE 3, H336	<b>5-&lt;10%</b>
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	<b>1-methoxy-2-propanol</b>  Flam. Liq. 3, H226; !~  STOT SE 3, H336	<b>&lt;2,5%</b>

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly. Generally, the product does not irritate the skin.

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

**After swallowing:** If symptoms persist consult doctor.

### 4.2 Indication of any immediate medical attention and special treatment needed

**No further relevant information**

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 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.

## **6. MÉSURE EN CAS DE DISPERSION ACCIDENTELLE**

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### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

### **6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ 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).

Dispose 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 disposal information.

## **7. MANIPULATION ET STOCKAGE**

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### **7.1 Precautions for safe handling**

Use only in well ventilated areas.

Keep away from heat and direct sunlight.

### **Information about fire and explosion protection:**

Keep ignition sources away. Do not smoke.

Protect against electrostatic charges.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage:**

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Store away from foodstuffs.

#### **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed receptacles.

**Storage class:** 3

**7.3 Specific end use(s)** No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Additional information about design of technical facilities:** No further data; see item 7

<b>Ingredients with limit values that require monitoring at the workplace:</b>	
<b>67-63-0 propan-2-ol</b>	
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
<b>67-64-1 acétone</b>	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
<b>107-98-2 1-méthoxy-2-propanol</b>	
WEL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Sk

#### **Additional information:**

The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### **Personal protective equipment:**

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

#### **Respiratory protection:**

Filter A/P2 (EN 141, EN 143)

Use suitable respiratory protective device in case of insufficient ventilation.

#### **Protection of hands:**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.



Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

#### **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### **Breakthrough 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 goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

**Form:**

**Colour:**

**Odour:**

**Odour threshold:**

**pH value:**

**Change in condition**

**Melting point/freezing point:**

**Initial boiling point and boiling range:**

**Flash point:**

**Flammability (solid, gas)**

**Temperature inflammation:**

**Decomposition temperature:**

**Auto-ignition temperature:**

**Explosive properties:**

**Explosion limits:**

**Inférieure:**

**Supérieure:**

**Vapour pressure at 20 °C :**

**Density at 20 °C:**

**Relative density**

**Vapour density**

**Evaporation rate:**

**Solubility in / Miscibility with water:**

**Partition coefficient : n-octanol/water :**

**Viscosity:**

**Dynamic:**

**Kinematic at 20 °C:**

**Solvent content:**

**Water:**

**VOC (CE)**

Fluid

According to product specification

Characteristic

Not determined

Not determined.

Undetermined.

56 °C

13 °C (DIN 53213)

Not applicable.

425 °C (DIN 51794)

Not determined.

Product is not selfigniting.

Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.

2 Vol %

12 Vol %

233 hPa

0,953 g/cm<sup>3</sup> (DIN 53217)

Not determined.

Not determined.

Not determined.

Fully miscible

Not determined.

Not determined.

13 s (DIN 53211/4)

79,2 %

19,70 %

**Solids content (weight-%):** 1,1 %

**9.2 Other information** No further relevant information available.

## 10. STABILITY AND REACTIVITY

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**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:** Carbon monoxide

## 11. INFORMATIONS TOXICOLOGIQUES

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### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data; the classification criteria are not met.

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data; the classification criteria are not met.

**Serious eye damage/irritation**

**Causes serious eye irritation.**

**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.

## 12. INFORMATION ÉCOLOGIQUE

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### 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): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

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

## 13. DIPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Recommendation

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

European waste catalogue	
14 06 03*	other solvents and solvent mixtures

#### Uncleaned packaging:

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

**Recommended cleansing agents:** Water, if necessary, together with cleansing agents.

## 14. INFORMATION RELATIVE AU TRANSPORT

### 14.1 UN-Number ADR, IMDG, IATA

UN1993

### 14.2 UN proper shipping name

**ADR** UN 1993 LIQUIDE INFLAMMABLE, N. S. A. (ACÉTONE, ISOPROPANOL (ALCOOL ISOPROPYLIQUE))

### IMDG, IATA

FLAMMABLE LIQUID, N. O. S. (ACETONE, ISOPROPANOL (ISOPROPYL ALCOHOL))

### 14.3 Transport hazard class (es)

#### ADR



#### Class Label

3 (F1) Liquides inflammables.  
3

#### IMDG, IATA



#### Class Label

3 Liquides inflammables.  
3

### 14.4 Packing group ADR, IMDG, IATA

II

**14.5 Environmental hazards:**

**Marine Pollutant:** No

**14.6 Special precautions for user**

**Danger code (Kemler)** Warning: Flammable liquids  
 33  
**EMS Number** F-E, S-E  
**Stowage Category** B

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

Non applicable.

**Transport/Additional information:**

**ADR**  
**Transport category** 2  
**Tunnel restriction code** D/E

**IMDG**  
**Limited quantities (LQ)** 1L

**UN "Model Regulation":** UN 1993 LIQUIDE INFLAMMABLE, N. S. A. (ACÉTONE, ISOPROPANOL (ALCOOL ISOPROPYLIQUE)), 3, II

**15. REGULATORY INFORMATION**

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**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.

**Seveso category** P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**National regulations:**

Class	Share in %
NK	10-25

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION**

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.



### **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

#### **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)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.