

**000090300070\_NZ\_EN Divesorb Pro**

Print date 06.07.2022  
Revision date 10.03.2022  
Version 4.9 (en,EU)  
replaces version of 02.08.2021 (4.8)

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

**1.1 Product identifier**

**Trade name/designation** Divesorb Pro  
**Prod-Nr** 6737062; 6737109; 6737818, 3700230

**Hazard components for labelling**  
Calcium hydroxide, sodium hydroxide

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

**Sector of uses [SU]**  
SU0 Other

**Process categories [PROC]**  
PROC8a Transfer of substance or mixture (charging and discharging) at non- dedicated facilities  
Professional:  
PROC0 Other

**Environmental release categories [ERC]**  
ERC11a Widespread use of articles with low release (indoor)

**Article categories [AC]**  
AC2 Machinery, mechanical appliances, electrical/electronic articles

**\* Use of the substance/mixture**  
As an absorbent for carbon dioxide in diving equipment  
As an absorbent for carbon dioxide in diving equipment, as soda lime.  
Adsorbent or absorbent

**Uses advised against**  
Do not use for private purposes (household).

**Remark**  
Adsorbs carbon dioxide from the air  
none

**1.3 Details of the supplier of the safety data sheet**

**Supplier**  
Dräger New Zealand Ltd  
Unit 4, 24 Bishop Dunn Place  
NZ-2013 East Tamaki - Auckland  
Telephone 0800 372 437  
E-mail info@draeger.com

Department responsible for information:  
Dräger Global EHS Management  
Telephone +49 451 882 6979  
Website www.draeger.com

E-mail (competent person):  
sds@draeger.com

**1.4 Emergency telephone number**

Poisons Information Centre 0800 764 766 (0800 POISON)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

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Skin Irrit. 2, H315  
Eye Dam. 1, H318

# Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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### Hazard statements for health hazards

H315 Causes skin irritation.  
H318 Causes serious eye damage.

### Remark

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
none

## 2.2 Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard components for labelling

Calcium hydroxide, sodium hydroxide

#### Hazard pictograms



GHS05

#### Signal word

Danger

#### Hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.

#### Precautionary statements

P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing and eye/face protection.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302 + P352 IF ON SKIN: Wash with plenty of water/....  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P410 Protect from sunlight.  
P411 Keep at temperatures not exceeding 50 ° C.

#### Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Special rules for supplemental label elements for certain mixtures

not determined

#### special rules for labelling of plant protection products

not applicable

#### Special rules on packaging

not determined

#### Other labelling

not applicable

## 2.3 Other hazards

#### Adverse physicochemical effects

not determined

#### Adverse human health effects and symptoms

Due to its pH value (see section 9), irritation of the skin and eyes cannot be ruled out.  
Inhalation of dust may cause irritation of the respiratory system.

#### Adverse environmental effects

not determined

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**Other adverse effects**  
 not determined

**Results of PBT and vPvB assessment**  
 not determined

\* **SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

\* **3.2 Mixtures****Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1305-62-0	215-137-3	Calcium hydroxide	78 - 84 %	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	
7732-18-5	231-791-2	Water	14 - 18 %		
1310-73-2	215-185-5	sodium hydroxide	2 - 4 %	Met. Corr. 1; H290 Skin Corr. 1A; H314	Skin Corr. 1A;H314: C>=5% Skin Corr. 1B;H314: 2%<=C<5% Skin Irrit. 2;H315: 0.5%<=C<2% Eye Irrit. 2;H319: 0.5%<=C<2%

REACH No.	Substance name
01-2119475151-45-033	Calcium hydroxide
-	Water
01-2119457892-27-xxxx	sodium hydroxide

**Remark**  
 none

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest.  
 In the event of symptoms refer for medical treatment.

**Following skin contact**

Wash immediately with:  
 Water  
 In case of skin irritation, consult a physician.

**After eye contact**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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**Following ingestion**

Do NOT induce vomiting.  
Let water be drunk in little sips (dilution effect).

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

**Symptoms**

not determined

**Effects**

gastric perforation

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

**Notes for the doctor**

not determined

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Unsuitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>)

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

not determined

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

none

**Additional information**

The product itself does not burn.  
Co-ordinate fire-fighting measures to the fire surroundings.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Avoid dust formation.  
Use personal protection equipment.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.2 Environmental precautions**

Collect contaminated water / firefighting water separately.  
Do not allow to enter into surface water or drains.

**6.3 Methods and material for containment and cleaning up**

**For containment**

Flush away residues with water.  
Take up mechanically and send for disposal.

**For cleaning up**

Avoid dust formation.

**6.4 Reference to other sections**

Disposal: see section 13

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Protective measures**

While filling and pouring suck off filling place.  
 Avoid the formation and deposition of dust.  
 No special measures are necessary.  
 Use only alkali-resistant equipment.  
 Do not return residues to the storage containers.  
 Take the usual precautions when handling with chemicals.  
 The product is not:  
 Combustible  
 No special fire protection measures are necessary.  
 Usual measures for fire prevention.  
 Avoid:  
 Generation/formation of dust  
 Eye contact  
 Skin contact  
 Do not inhale dust.

**Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.  
 Remove contaminated, saturated clothing immediately.  
 Wash hands and face before breaks and after work and take a shower if necessary.

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

**Requirements for storage rooms and vessels**

Keep/Store only in original container.  
 Keep container tightly closed.

**Storage class**

13 Non-combustible solids that cannot be assigned to any of the above storage classes

**Materials to avoid**

Do not store together with:  
 Acid

**Further information on storage conditions**

Keep only in the original container in a cool, well-ventilated place.  
 Keep away from:  
 Acid  
 Keep container tightly closed in a cool, well-ventilated place.  
 Storage temperature may not exceed 50°C (=122°F).  
 Store at 5 to 40°C (=41 to 104°F).  
 Close container again moistureproof after taking sample.  
 Limited stability, look up product instructions.

**7.3 Specific end use(s)**

**Recommendation**

not determined

**Industrial sector specific solutions**

not determined

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limit values**

CAS No.	EC No.	Substance name	occupational exposure limit value
1305-62-0	215-137-3	Calcium dihydroxide	1 Respirable fraction [mg/m³] Short-term(mg/m³) 4 Respirable fraction 2017/164/EU

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CAS No.	EC No.	Substance name	occupational exposure limit value
1305-62-0	215-137-3	Calcium hydroxide	- [ml/m <sup>3</sup> (ppm)] 5 [mg/m <sup>3</sup> ] Short-term(ml/m <sup>3</sup> ) - Short-term(mg/m <sup>3</sup> ) - EU

**8.2 Exposure controls**

**Appropriate engineering controls**

**Technical measures to prevent exposure**  
 not determined

**Personal protection equipment**

**Eye/face protection**  
 safety goggles  
 Do not wear contact lenses.

**Hand protection**

Gloves (alkali-resistant)  
 Full contact: Glove material: nitrile rubber, glove thickness: 0.11 mm, Breakthrough time:> 480 min  
 Splash contact: Glove material: nitrile rubber, glove thickness: 0.11 mm, Breakthrough time:> 480 min  
 The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the resultant standard EN374.  
 The above breakthrough times were measured with samples of the recommended glove types of KCL in laboratory tests to EN374.  
 This recommendation applies only to the product stated in the safety that comes from us and the purpose specified by us.  
 When dissolving in or mixing with other substances and under different conditions of the EN 374, you need to contact the supplier of CE-approved gloves (eg KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de)

**Body protection:**  
 Light protective clothing.

**Respiratory protection**  
 Suitable respiratory protection apparatus:  
 Particle-filtering half mask, filter P2  
 In case of dust formation wear micro dust mask.

**Environmental exposure controls**

**Technical measures to prevent exposure**  
 not determined

**Additional information**

none

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state**  
 solid

**Colour**  
 white

**Odour**  
 odourless

**Safety relevant basis data**

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		

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	Value	Method	Source, Remark
Boiling point or initial boiling point and boiling range	not determined		
flammability	solid		not applicable
flammability	gaseous		not applicable
Lower and upper explosion limit	Upper explosion limit		not applicable
Lower and upper explosion limit	Lower explosion limit		not applicable
Flash point			not applicable
Auto-ignition temperature			not determined
Auto-ignition temperature			not determined
Decomposition temperature		not determined	not determined
pH	in delivery state approx. 12		suspension in water
Viscosity	not applicable		
Viscosity	not applicable		
Solubility(ies)	Water solubility approx. 1 g/L		
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)			not applicable
Vapour pressure			not determined
Density and/or relative density			not determined
Density and/or relative density	Bulk density approx. 730- 930 kg/m <sup>3</sup>		
Relative vapour density			not applicable
particle characteristics	not determined		

### 9.2 Other information

#### Other safety characteristics

	Value	Method	Source, Remark
Solvent content			not applicable
Water content	approx. 14- 18 %		
Solid content			not applicable
acid number			not determined
Solvent separation test			not applicable
Explosive properties:			none
Oxidising properties			none

**Other information**  
 none

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

not determined

**10.2 Chemical stability**

not determined

**10.3 Possibility of hazardous reactions**

not determined

**10.4 Conditions to avoid**

Reactions with acids.  
 Strong exothermic reaction with acids.  
 Reactions with light metals in the presence of moisture, with evolution of hydrogen.  
 Reactions with base metals, with evolution of hydrogen.  
 In aqueous solution, evolves hydrogen with metals.  
 Evolution of heat under influence of acids.  
 Reactions with aluminium at high temperature.

**10.5 Incompatible materials**

Light metals  
 Formation of:  
 Hydrogen

**10.6 Hazardous decomposition products**

not determined

**Additional information**

none

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	Species not determined	not determined	none not determined
Acute dermal toxicity	Species not determined	not determined	none not determined
Acute inhalation toxicity	Species not determined	not determined	none not determined

**Skin corrosion/irritation****Animal data**

Result / Evaluation	Method	Source, Remark
non-irritant. Species Rabbit	OECD 404	none

**Serious eye damage/irritation****Animal data**

Result / Evaluation	Method	Source, Remark
Risk of serious damage to eyes. Species Rabbit	OECD 405	none

**Sensitisation to the respiratory tract****Assessment/classification**

not determined



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**Skin sensitisation**

**Animal data**

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not determined	Species not determined	not determined	none

**Germ cell mutagenicity**

	Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity	Species not determined	not determined	none	not determined

**Carcinogenicity**

**Animal data**

	Value	Method	Result / Evaluation	Remark
Carcinogenicity	Species not determined	not determined	none	not determined

**Reproductive toxicity**

**Animal data**

	Value	Method	Result / Evaluation	Remark
Reproductive toxicity	Species not determined	not determined	none	not determined

**STOT-single exposure**

**STOT SE 1 and 2**

**Animal data**

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (single exposure)	Species not determined	not determined			none not determined
Dermal specific target organ toxicity (single exposure)	Species not determined	not determined			none not determined
Inhalative specific target organ toxicity (single exposure)	Species not determined	not determined			none not determined

**STOT-repeated exposure**

**Animal data**

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (repeated exposure)	Species not determined	not determined			none not determined
Oral specific target organ toxicity (repeated exposure)	Species not determined	not determined			none not determined
Dermal specific target organ toxicity (repeated exposure)	Species not determined	not determined			none not determined
Dermal specific target organ toxicity (repeated exposure)	Species not determined	not determined			none not determined
Inhalative specific target organ toxicity (repeated exposure)	Species not determined	not determined			none not determined
Inhalative specific target organ toxicity (repeated exposure)	Species not determined	not determined			none not determined

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**11.2 Information on other hazards**

No data available

**Other information**

none  
 In an intended use will not occur dusts that may cause irritation of the mucous membranes of the respiratory tract.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	Species not determined	not determined	none
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	Species not determined	not determined	
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	Species not determined	not determined	none
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	Species not determined	not determined	none

**12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation		not determined	none not determined
Biodegradation		not determined	none not determined

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

**Assessment/classification**  
 not determined

**12.5 Results of PBT and vPvB assessment**

not determined

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

**Additional ecotoxicological information**

	Value	Method	Source, Remark
Chemical oxygen demand (COD)		not determined	none not determined
Biochemical oxygen demand		not determined	none not determined
Total organic carbon (TOC):		not determined	none not determined
AOX			not applicable

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**Additional information**

Due to the product's consistency dispersion into the environment is not possible.  
 Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.  
 Product does not cause biological oxygen loss.  
 Ecological dates are not available.  
 Do not allow uncontrolled discharge of product into the environment.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
160303 *	inorganic wastes containing hazardous substances
160507 *	discarded inorganic chemicals consisting of or containing hazardous substances

**Appropriate disposal / Product**

Dispose of waste according to applicable legislation.  
 Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".

**Appropriate disposal / Package**

Completely emptied packages can be recycled.  
 Recycle sales packaging via DSD (Duales System Deutschland).

**Remark**

May be disposed of in household waste landfill.  
 The packs are preferred with respect to, the local / national regulations for reuse or for recycling.  
 HDPE canister or PE plastic bag, rinse with water and recycle as grade plastic.

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	No	No	No

**14.6 Special precautions for user**

none

**14.7 Maritime transport in bulk according to IMO instruments**

not applicable

**All transport carriers**

The Dräger soda lime is not hygroscopic and contains less than 4% NaOH. He is not under UN1907.

**Land transport (ADR/RID)**

**Remark**

Not classified for this transport carrier.

**Sea transport (IMDG)**

**Remark**

Not classified for this transport carrier.

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**Air transport (ICAO-TI / IATA-DGR)**

**Remark**

Not classified for this transport carrier.

**SECTION 15: Regulatory information**

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

**EU legislation**

**Authorisations**

not applicable

**Restrictions on use**

none

**Other regulations (EU)**

**To follow:**

Regulation (EEC) No. 259/93 on the supervision and control of shipments of waste within, into and out of the European Community.  
none

**15.2 Chemical Safety Assessment**

**National regulations**

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

**SECTION 16: Other information**

**Key literature references and sources for data**

not determined

**Training advice**

not determined

**Additional information**

National and local regulations concerning chemicals shall be observed.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Relevant H- and EUH-phrases (Number and full text)**

- |      |  |
|------|--|
| H290 | May be corrosive to metals.              |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H318 | Causes serious eye damage.               |
| H335 | May cause respiratory irritation.        |

**Indication of changes**

\* Data changed compared with the previous version