

Safety data sheet

PCT safety data sheet pursuant to Regulation (EC) No 1907/2006 in the currently applicable version.

Date/revision date: 11 July 2022

Product: Hydranol

Print date: 18 June 2021

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

1.1. Product identifier	Hydranol
1.2. Relevant identified use of the substance or mixture and uses advised against	<u>Relevant identified use:</u> Product for the construction industry
1.3. Details of the supplier of the safety data sheet	<u>Company:</u> PCT Chemie GmbH 71106 Magstadt Germany phone: +49 7159 4062-0 Email address: info@pct-chemie.de
1.4. Emergency contact	Telephone: +49 7159 4062-0

SECTION 2: Potential hazards

2.1. Classification of the substance or mixture	<u>According to Regulation (EC) No 1272 / 2008 (CLP):</u> According to GHS criteria the product is not liable to classification.
2.2. Labelling elements	<u>According to Regulation (EC) No 1272 / 2008 (CLP):</u> According to GHS criteria the product is not subject to labelling.
2.3. Other hazards	<u>According to Regulation (EC) No 1272 / 2008 (CLP):</u> If appropriate, information shall be provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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SECTION 3: Composition/information on ingredients

3.1. Substances	Not applicable.
3.2. Mixtures	<u>Chemical characterisation:</u> Preparation based on: polymers, additives <u>Hazardous ingredients (GHS) according to Regulation (EC) No 1272/2008:</u> No particular hazards known,

SECTION 4: First-aid measures

4.1. Description of the first-aid measures	Remove polluted clothes. <u>After inhalation of dust:</u> rest, fresh air, medical assistance <u>After skin contact:</u> Clean off immediately with plenty of soap and water. Do not use a solvent. Consult a doctor if the irritation persists. <u>After eye contact:</u> Wash affected eyes thoroughly for at least 15 minutes under running water with eyelids held open. Consult an eye specialist. <u>After swallowing:</u> Rinse out mouth thoroughly with a lot of water and drink lots of water. Seek medical attention. Do not induce vomiting. <u>Advice for the doctor:</u> Treat according to symptoms (decontamination, vital functions).
4.2. Most important symptoms and effects, both acute and delayed	<u>Symptoms:</u> The most important known symptoms and effects are described in the labelling of the product (see section 2) and/or in section 11.

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4.3. Indication of any immediate medical attention or special treatment needed	<p><u>Treatment:</u> Treat according to symptoms (decontamination, vital functions), no known specific antidote.</p>
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SECTION 5: Fire-fighting measures

5.1. Extinguishing agents	<p><u>Suitable extinguishing agents:</u> Spray water, foam, dry extinguishing agent, carbon dioxide</p> <p><u>Unsuitable extinguishing agents for safety reasons:</u> Water jet</p>
5.2. Special hazards arising from the substance or mixture	Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes, carbon black
5.3. Advice for firefighters	<p><u>Special protective gear:</u> Wear protective respiratory gear that is independent of recirculating air.</p> <p><u>Miscellaneous information</u> The degree of risk is governed by the burning substance and the fire conditions. Contaminated fire extinguishing water must be disposed of in accordance with official regulations.</p>

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	Do not inhale dust. Wear eye/face protection.. Use personal protective clothing. Please follow the usual precautions when dealing with chemical products for construction.
6.2. Environmental protection measures	Retain tainted water/extinguishing water. Do not allow to enter sewage system / surface water / ground water.

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<p>6.3. Methods and material for containment and cleaning up</p>	<p>For small amounts: Pick up with suitable equipment and dispose of. Dispose of contaminated material in accordance with the regulations.</p> <p>For large amounts: Pick up with suitable equipment and dispose of. Dispose of absorbed material in accordance with the regulations. Avoid dust formation.</p>
<p>6.4. Reference to other sections</p>	<p>For more information on exposure limits and controls/personal protection measures and information on the disposal, please refer to sections 7, 8 and 13.</p>

SECTION 7: Handling and storage

<p>7.1. Precautions for safe handling</p>	<p>The usual precautions in handling with chemicals are to be observed.</p> <p><u>Guideline for a safe handling:</u> Avoid dust formation. Avoid inhaling dust. When emptying bags in machines, work with the wind and keep the free fall as low as possible.</p> <p><u>When ouing larger quantities without an extraction system:</u> Respiratory protection:</p> <p><u>Guideline for fire and explosion protection:</u> Take precautionary measures against static discharge. Keep away from sources of ignition. Provide fire extinguishers. Dust can form an explosive mixture with air.</p>
<p>7.2. Conditions for safe storage, including any incompatibilities</p>	<p><u>Further information on the storage conditions:</u> Keep only in the original container in a cool, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.</p> <p><u>Further information on the storage conditions:</u> Keep only in the original container in a cool, well-ventilated place away from ignition</p>

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	sources, heat or flame. Protect from direct sunlight.
	<u>Storage class acc. to TRGS 510 (originally VCI Germany:</u> (13) Non combustible solids
7.3. Specific end uses	In the case of the identified relevant use according to section 1 the indications set forth in this section 7 must be observed.

SECTION 8: Exposure limits and control/personal protective equipment

8.1. Parameters to be monitored	<p><u>Components with occupational exposure limits:</u></p> <p>In order to check the effectiveness of protective measures, e.g. ventilation or the need for protective respiratory equipment, it may be necessary to monitor the workplace using measurement technology. Since this requires special expertise, only accredited monitoring organisations should be commissioned for this purpose. European standards EN 482, 689 and 14042 shall be applied for appropriate monitoring procedures for exposure assessment. In addition, TRGS 402 must be observed in Germany.</p> <p>7631-86-9: Silicon dioxide AGW 4 mg/m³ (TRGS 900 (DE)), inhalable fraction. Applies to colloidal silica (CAS No 7631-89-9) including pyrogenic silica and wet process silica (precipitated silica, silica gel).</p>
8.2. Exposure limits and control	<p><u>Personal protective equipment:</u></p> <p>Body protection: Wear light protection clothing. Respiratory protection: Breathing protection if ventilation is insufficient. Particle filters with</p>

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	<p>low retention capacity for solid particles (e.g. EN 143 or 149, type P1 or FFP1) Hand protection gear: Suitable tight rubber gloves. Eye protection: Safety goggles with side protection (frame of glasses for ex. EN 166)</p>
	<p><u>General protection and hygiene measures:</u> To prevent soiling during handling, closed work clothes and work gloves should be used. Please follow the usual precautions when dealing with chemical products for construction. Do not eat, drink or smoke while using. Wash hands and/or face before breaks and at the end of work. Thoroughly clean and care for skin after handling the product. Gloves must be inspected regularly and prior to each use. Replace, if required (for ex. small leaks).</p>
	<p><u>Environmental exposure limits and control:</u> See sections 6 and 7.</p>

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	<p><u>Form:</u> Powder</p>
	<p><u>Colour:</u> Colourless to yellow</p>
	<p><u>Odour:</u> Moderate odour</p>
	<p><u>Inflammability:</u> Non-flammable.</p>
	<p><u>Ignition point:</u> Not applicable.</p>
	<p><u>Melting temperature:</u></p>

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	Not applicable.
	<u>Boiling point:</u> Not applicable.
	<u>Flash point:</u> Not applicable.
	<u>Explosion hazard:</u> Not explosion-prone
	<u>Rate of evaporation:</u> The product is a non-volatile solid.
	<u>Vapour pressure:</u> Not tested.
	<u>Relative vapour density (air):</u> The product is a non-volatile solid.
	<u>Thermal decomposition:</u> No decomposition if stored and handled as prescribed/indicated.
	<u>Viscosity, dynamic:</u> Not applicable. The product is a solid.
	<u>Bulk density:</u> 500 – 600 kg/m ³ (20°C)
	<u>Solubility in / miscibility with water:</u> Mixable (20°C)
	<u>Hygroscopy:</u> Hygroscopic
	<u>pH value:</u> Approx. 6-8 (20°C)
9.2. Miscellaneous information	Indicate other physical and chemical parameters in this section, if required.

SECTION 10: Stability and reactivity

10.1. Reactivity	No dangerous reactions, if stored and handled as prescribed/indicated. <u>Corrosion to metals:</u> Does not cause corrosion to metal.
10.2. Chemical stability	The product is stable, if stored and handled as prescribed/indicated.

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10.3. Possibility of dangerous reactions	No dangerous reactions, if stored and handled as prescribed.
10.4. Conditions to avoid	See MSDS section 7 - Handling and storage.
10.5. Incompatible materials	<u>Substances to avoid:</u> Strong acids, strong bases, strong oxidising agents, strong reductive agents
10.6. Dangerous decomposition products	No dangerous decomposition products, if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects	<u>Acute toxicity:</u> After single accidental ingestion virtually non-toxic. After single inhalation virtually non-toxic. After single contact with skin virtually non-toxic. On account of the available data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.
	<u>Irritant effect:</u> No irritant effect is to be expected if the product is used and handled as intended. On account of the available data, the classification criteria are not met.
	<u>Sensitisation of respiratory tract/skin:</u> On account of the available data, the classification criteria are not met.
	<u>Germ cell mutagenicity:</u> The chemical structure does not lead to any particular suspicion for such an effect. On account of the available data, the classification criteria are not met.
	<u>Carcinogenicity:</u> The chemical structure does not lead to any particular suspicion for such an effect. On

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	account of the available data, the classification criteria are not met.
	<p><u>Reproduction toxicity:</u> The chemical structure does not lead to any particular suspicion for such an effect. On account of the available data, the classification criteria are not met.</p>
	<p><u>Developmental toxicity:</u> Assessment teratogenicity: The chemical structure does not lead to any particular suspicion for such an effect. On account of the available data, the classification criteria are not met.</p>
	<p><u>Specific target organ toxicity after single exposure:</u> No data available.</p>
	<p><u>Specific target organ toxicity after repeated exposure:</u> On account of the available data, the classification criteria are not met.</p>
	<p><u>Repeated dose toxicity and specific target organ toxicity after repeated exposure:</u> No sound data is available for a repeated dose toxicity. On account of the available data, the classification criteria are not met.</p>
	<p><u>Aspiration hazard:</u> No data available.</p>
	<p><u>Additional toxicological information:</u> In our experience and according to the information provided to us the product does not cause any harmful effects when used and handled according to regulations. The product has not been tested. Claims referring to toxicology have been derived from the properties of the individual components.</p>

SECTION 12: Environmental information

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12.1. Toxicity	<p><u>Assessment of aquatic toxicity:</u> There is a high probability that the product is not acutely harmful to aquatic organisms. According to current knowledge, negative ecological effects are not to be expected.</p> <p><u>Fish toxicity:</u> LC50 (96h) > 100 mg/l, <i>Leuciscus idus</i></p>
12.2. Persistence and degradability	<p>Assessment biodegradation and elimination (H2O): Potentially biodegradable. The insoluble portion can be mechanically separated in suitable wastewater treatment plants.</p>
12.3. Bioaccumulation potential	<p>No data available. A release into the environment must be prevented.</p>
12.4. Mobility in soil	<p><u>Assessment transport between environmental compartments:</u> Volatility: No data available.</p>
12.5. Results of the PBT and vPvB assessment	<p>The product does not meet the criteria for PBT (persistent/bioaccumulative/toxic), or vPvB (very persistent/very bioaccumulative)</p>
12.6. Other adverse effects	<p>The product contains no substances listed in the EU Directive (EC) 1005/2009 on substances which deplete the ozone layer.</p> <p><u>Other ecotoxicological advice:</u> Prevent penetration into soil, water and sewage system. Do not allow substance/product to enter sewage system. The product has not been tested. The statements on ecotoxicology were derived from products of similar structure or composition.</p>

SECTION 13: Disposal information

13.1. Waste treatment methods	<p>The national and local statutory regulations must be complied with. Remaining quantities</p>
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	must be disposed of in the same manner as the substance/product.
	<u>Uncleaned packaging:</u> Contaminated packaging must be emptied in the best possible way. May be used again after cleaning.

SECTION 14: Shipment information

14.1. UN number	ADR/RID/ADN, IMDG, IATA not applicable
14.2. UN proper shipping name	ADR/RID/ADN, IMDG, IATA not applicable
14.3. Transport hazard class	ADR/RID/ADN, IMDG, IATA not applicable
14.4. Packing group	ADR/RID/ADN, IMDG, IATA not applicable
14.5. Environmental risks	Marine pollutant: No
14.6. Special precautions for user	Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code	Not applicable.
Transport/further details	No hazardous good according to the above specifications.
UN "Model Regulation"	Not applicable.

SECTION 15: Legislation

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	<u>Water hazard class (Annex 4 of VwVwS (Germany)):</u> Water hazard class (WGK) (1) Slightly hazardous for water. If other legislation has to be applied and is not specified elsewhere in this Safety data sheet this can be found in this subsection.
15.2. Chemical safety assessment	Chemical safety assessment not necessary.

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SECTION 16: Miscellaneous information

Data sheet issuing authority	PCT Chemie GmbH Hemmingen
Contact person	Dept.: Technical Services Bernhard Friedrich Mobile: +49 151 526 50921
Other intended applications should be discussed with the manufacturer.	

The information mentioned above is based on our current knowledge and does not present a warranty of any feature and therefore does not justify a legal relationship or any warranty claim. Existing laws and regulations need to be observed by the recipient's sole responsibility. The technical data sheet that is currently in force is downloadable at www.pct-chemie.de.

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