

SAFETY DATA SHEET

According to EG 1907/2006
Effective/ revised: 06.02.13

Version 2.0 Product Hydranol

1. Material denomination/ application and company

Product specifications:	
Brand name:	Hydranol
Material usage/ application:	
Producer/ Supplier:	PCT Chemie GmbH 71282 Hemmingen Germany Phone: +49 7150 206790 Fax: +49 7150 20679200
Emergency information:	Phone: +49 7150 206790

2. Possible dangers

Possible dangers (according to guideline 67/548/EWG and 1999/45/EG respectively)
No possible dangers known when instructions for storage and handling are correctly applied.

3. Composition / Component data

Chemical definition
Preparation on basis of polymers and additives

4. First-aid precautions

General information:
Assistants take care of self-protection. Remove polluted clothes immediately.

After inhaling:
After inhaling of dust: von Staub: calm, fresh air.

After skin contact:

Wash thoroughly with water and soap. Do not use solvents.
If skin gets irritated, see a doctor.

After eye contact:

Rinse out thoroughly for at least 15 minutes with water, see an eye specialist

After swallowing:

Rinse out mouth thoroughly with much water and drink lots of water, help of a doctor. Start vomiting only when ordered by a poison control center or a doctor.

Instructions for the doctor:

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire fighting measures

Suitable extinguishing agents:

Foam, spray water, dry-slaking agents, carbon dioxide

Inappropriate extinguishing agents due to safety reasons:

Full water jet

Special dangers:

Carbon dioxide, carbon monoxide, harmful vapours, smoke, carbon black

Special protective gear:

Wear protective respiratory gear that is independent of recirculating air.

Further details:

Danger depends on used substances and the conditions of the fire.

Contaminated extinguishing agents have to be disposed according to the administrative regulations.

6. Accidental release measures

Personal precautions:

Avoid dust formation. Wear personal protective gear. Observe the general precautions for the handling of chemical building materials.

Environmental protection measures:

Tainted water/ extinguishing water should not get into the sewerage/ surface water/ ground water.

Disposal according to official regulations.

Procedure of cleaning and absorption:

For small amounts: Use an appropriate device to absorb the material and dispose it. Always

dispose it according to official regulations.

For larger amounts: The same as for smaller amounts.
Avoid dust formation.

7. Handling and Storage

Handling

Avoid dust formation. Do not inhale dusts. Avoid skin contact. For the clearing of bags in machines you ought to work downwind and to keep the free fall as low as possible.
Decanting of larger amounts without extraction system: respiratory protection.

Guideline for fire and explosion protection:

No special precautions necessary. Take measures against electrostatic charge.

Storage

Separation of acids, bases and heavy oxidizing agents.
Further details on storage conditions: Keep only in the original container in a cool and good ventilated place. Keep it away of sources of ignition, heat and flames. Avoid direct sun insolation.
Storage class according to VCI: (13) Incombustible solids.

8. Exposure controls & personal protective equipment

Personal protective gear:

Respiratory protection:

Respiratory protection in rooms with insufficient ventilation. Particle filter with low retention for solid particles (e.g. EN 143 or 149, type P1 or FFP1)

Hand protecting grip:

Tight gloves

Eye protection:

Safety goggles with side protection (Framed glasses) (e.g. EN 166)

Body protection:

Light protection clothing

General protection and hygiene measures:

To avoid soiling wear closed workwear and work gloves. Observe the official precaution measures when working with chemical materials. Do not eat, drink or smoke. Wash your hands and your face after working. Also provide for skin cleaning and skin care after work. Gloves have to be checked always before usage. They have to be replaced if required (e.g. small points of leakage).

9. Physical and chemical features

Shape:	Powder
Colour:	pale to yellow
Smell:	moderate
pH-Value:	6 - 7 (20 %(m), 23 °C)
Ignitability:	not flammable
Ignition temperature:	not applicable
Bulk density:	500 - 600 kg/m ³ (20 °C)
Water solubility:	miscible (20 °C)
Hygroscopic:	hygroscopical

10. Stability and Reactivity

Avoidable conditions:

See SDB article 7 – Handling and Storage.

Thermal decomposition: No decomposition when regulations regarding storage and handling are observed.

Avoidable solids: heavy acids, heavy bases, heavy oxidizing agents

Metal corrosion: not corrosive with metal.

Dangerous reactions: Product is stable, when regulations regarding storage and handling are observed.

11. Toxicological Information

Acute toxicity

Experimental data:
LD50 Rat (oral): > 2.000 mg/kg

Stimulation effect

Evaluation stimulation effect:
No stimulation effect for eyes and skin.

Airway-/skin sensitization

Evaluation stimulation effect:
No stimulation effect known.

Additional toxicological information

When used properly no harmful effects are known. Product was not examined. The statements regarding the toxicology were derived by products of similar structure or composition.

12. Environmental Information

Ecotoxicity

Evaluation aquatical toxicity:
In all probability acute not harmful for aquatic organisms. Negative ecological Effects are not to expect according to today's knowledge.

Fish toxicity:
LC50 (96 h) > 100 mg/l, *Leuciscus idus*

Additional information

Further ecotoxicological notes:
Avoid infiltrating into the soil, waters and sewerage. Never let it infiltrate into the canalisation. Product was not examined. The statements regarding the ecotoxicity were derived by products of similar structure or composition.

13. Disposal Information

The national and local legal regulations have to be observed.
 Remaining quantities have to be disposed like the product itself.

Uncleaned packagings:
 Contaminated packagings need to be emptied optimally; they might be recycled afterwards.

14. Shipment Information

Land Shipment

ADR No hazardous good

RID No hazardous good

Binnenschifftransport

Barge Shipment

ADNR No hazardous good

Seeschifftransport

Sea Shipment

IMDG
 Kein Gefahrgut im Sinne der
 Transportvorschriften

IMDG
 Not classified as a dangerous good under
 transport regulations

Lufttransport

IATA/ICAO
 Kein Gefahrgut im Sinne der
 Transportvorschriften

Air transport

IATA/ICAO
 Not classified as a dangerous good under
 transport regulations

15. Legislation

Regulations of the European Union (Labelling) / National regulations

EU Labelling:
 Due to EU directives the product is not subject to labelling.

Miscellaneous regulations

Water hazard classification: (1) Slightly water hazard.

16. Miscellaneous Information

In addition to the information of the safety data sheet we refer to the product specific "technical information".

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.