

**MATERIAL SAFETY DATA SHEET**

degussa.

**CHEM-TRETE® PB 100**

Material no.		Version	1.1 / US
Specification	151513	Revision date	02/07/2005
Order Number		Print Date	2/11/2005
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Comment: Seite: 1  
SDB**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : CHEM-TRETE® PB 100  
Use of the Substance / Preparation : FOR PROFESSIONAL USE ONLY.  
Company : Degussa Corporation  
379 Interpace Parkway  
Parsippany, NJ 07054  
USA

Telephone : 973-541-8000

Telefax : 973-541-8040

US: CHEMTREC EMERGENCY NUMBER : 800-424-9300

CANADA: CANUTEC EMERGENCY NUMBER : 613-996-6666

Product Regulatory Services : 973-541-8060

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components**

NJTSR No.56705700001-6652P  
CAS-No. Trade Secret Percent (Wt./ Wt.) 100 %

**Other information**

This material is classified as hazardous under OSHA regulations.

**3. HAZARDS IDENTIFICATION****\*\*\* EMERGENCY OVERVIEW \*\*\***

**Form-liquid**    **Color-clear**    **Odor-strong odor**

Combustible liquid and vapor.  
Vapors may cause flash fire or explosion.  
May cause eye/skin irritation.  
Causes respiratory tract irritation.

**POTENTIAL HEALTH EFFECTS****Eye contact**

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Irritating.

**Skin Contact**

Irritating.

**Inhalation**

Severely irritating.

**Ingestion**

No hazard expected in normal use.

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Chronic Health Hazard**

This product can hydrolyze to form a material posing additional health effects:

Ethanol: ACGIH TLV: TWA 1000 ppm; OSHA PEL: TWA 1000 ppm. Liquid and high vapor concentrations cause eye irritation. Contact of liquid with skin causes drying, cracking, and irritation. Inhalation causes irritation of the respiratory tract. Repeated or prolonged exposure to high vapor concentrations may cause drowsiness. Excessive or repeated ingestion may cause central nervous system effects, liver effects and reproductive effects; However, ingestion is not an expected route of exposure. Ethanol has a low potential to cause allergic skin reactions; however, undocumented cases of human skin sensitization have been reported.

Undocumented reports suggest that this product may form a siloxane polymer on the eyes, lungs, or other mucous membranes. In the event of contact, get medical attention.

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**4. FIRST AID MEASURES****Inhalation**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

**Skin contact**

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

**Eye contact**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

**Ingestion**

If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

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**5. FIRE-FIGHTING MEASURES**

Flash point 50 °C , 122 °F

**Suitable extinguishing media**

Use water spray or fog, foam, dry chemical or CO2.

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**Specific hazards during fire fighting**

Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

**Further information**

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Ensure adequate ventilation. Use personal protective equipment.

**Environmental precautions**

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Fill into marked, sealable containers.

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**7. HANDLING AND STORAGE****Handling****Safe handling advice**

Remove contaminated clothing and wash before reuse.  
Avoid contact with skin, eyes and clothing.

**Advice on protection against fire and explosion**

Take precautionary measures against static charges and keep away from sources of ignition.

**Storage****Requirements for storage areas and containers**

Keep away from heat. Keep away from sparks, flame and other sources of ignition.  
Keep tightly closed in a dry, cool and well-ventilated place.  
Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protective equipment****Respiratory protection**

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

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**Hand protection**

Use impermeable gloves.

**Eye protection**

Use chemical splash goggles or face shield.

**Skin and body protection**

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

**Hygiene measures**

Handle in accordance with good hygiene and safety practices.

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

Avoid contact with skin.

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	liquid
Color	clear
Odor	strong odor

**Safety data**

pH	not determined
Boiling point/range	not determined
Flash point	50 °C
Relative vapour density	Heavier than air
Solvents and Volatiles Data	% VOC (gm/l) 375

**10. STABILITY AND REACTIVITY**

Conditions to avoid	Keep away from heat and sources of ignition.
Materials to avoid	Water, oxidizing substances
Further information	Stable under normal conditions. Product will not undergo hazardous polymerizations.

**11. TOXICOLOGICAL INFORMATION**

Product General Toxicity	No investigations were carried out with the preparation itself.
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**12. ECOLOGICAL INFORMATION**

General Ecological Information No ecotoxicological studies are available.

**13. DISPOSAL CONSIDERATIONS****WASTE DISPOSAL**

Advice on disposal

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

**14. TRANSPORT INFORMATION****D.O.T. Road/Rail**

Class	3
UN-No	1993
Packing group	III
Proper shipping name	Flammable liquids, n.o.s.
Technical Name	(alkoxysilane, )

**Sea transport IMDG-Code**

Class	3
UN-No	1993
Packaging group	III
EmS	F-E, S-E
Proper technical name (Proper shipping name)	
FLAMMABLE LIQUID, N.O.S.	
(alkoxysilane, )	

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

Class	3
UN-No	1993
Packaging group	III
Proper technical name (Proper shipping name)	
Flammable liquid, n.o.s.	
(alkoxysilane, )	

**Loading instructions/Remarks**

IATA_C	ERG-Code 3L
IATA_P	ERG-Code 3L
IATA_C	USA: Observe RQ
IATA_P	USA: Observe RQ

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IMDG	USA: Observe RQ
CFR_RAIL	In the U.S. this material may be classified as combustible liquid. Combustible liquids are not regulated in packages 450 liters or less. This applies for shipments by road and rail only.
CFR_ROAD	In the U.S. this material may be classified as combustible liquid. Combustible liquids are not regulated in packages 450 liters or less. This applies for shipments by road and rail only.

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**15. REGULATORY INFORMATION****US Federal Regulations****OSHA**

If listed below, chemical specific standards apply to the product or components:

- None listed

**Clean Air Act Section (112)**

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- None listed

**CERCLA Reportable Quantities**

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- None listed

**SARA Title III Section 311/312 Hazard Categories**

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard
- Fire Hazard

**SARA Title III Section 313 Reportable Substances**

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed

**Toxic Substances Control Act (TSCA)**

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

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**State Regulations**

The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this MSDS.

**California Proposition 65**

A warning under the California Drinking Water Act is required only if listed below:

- None listed

**International Chemical Inventory Status**

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact Degussa Corporation Product Regulatory Department:

- |                          |                           |
|--------------------------|---------------------------|
| • Europe (EINECS/ELINCS) | Listed/registered         |
| • USA (TSCA)             | Listed/registered         |
| • Canada (DSL)           | Listed/registered         |
| • Australia (AICS)       | Listed/registered         |
| • Japan (MITI)           | Not listed/Not registered |
| • Korea (TCCL)           | Listed/registered         |
| • Philippines (PICCS)    | Listed/registered         |
| • China                  | Listed/registered         |

**16. OTHER INFORMATION****HMIS Ratings**

Health :	2
Flammability :	2
Physical Hazard :	1

**NFPA Ratings**

Health :	2
Flammability :	2
Reactivity :	1

**Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.