

# Permaban Pentra-Sil

Lithium based concrete sealer

HEALTH & SAFETY  
DATASHEET ISSUE 1.1  
12 MAY 2008

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY

- PRODUCT NAME:** PENTRA-SIL™ 244+
- USE:** Lithium based membrane forming liquid, curing, sealing, dust-proofing & concrete hardening agent.
- MANUFACTURER:** Convergent International  
34, Rue de Le Mesnil  
B-5670 Viroinval  
Belgium
- TEL:** +32(0)475 951293
- EMERGENCY:** 999 or 112

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS No</u>
Aminoethylaminopropyltrimethoxysilane	1760-24-3

## 3. HAZARDS IDENTIFICATION

Alkaline liquid, prolonged contact may cause skin & eye irritation.  
Ingestion may cause gastric distress. Hazard symbols for this product - None

- INHALATION:** Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.
- INGESTION:** Irritating to digestive tract; may cause gastric distress, stomach pains.
- SKIN CONTACT:** Contact with skin may cause irritation, dermatitis.
- EYE CONTACT:** Contact with eyes may cause pain and irritation.

## 4. FIRST AID MEASURES

- INHALATION:** Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.
- INGESTION:** Drink large quantities of water or milk; DO NOT induce vomiting; seek medical attention immediately.
- SKIN CONTACT:** Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.
- EYE CONTACT:** Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

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## 5. FIRE FIGHTING MEASURES

Product is alkaline. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

### EXTINGUISHING MEDIA:

Recommended: Carbon dioxide, water, water mist, dry chemical, chemical foam.

Do NOT use: Water Jet.

### HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes, oxides of carbon.

### RECOMMENDATIONS:

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.

## 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

## 7. HANDLING & STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

### EXPOSURE CONTROLS:

The use of local exhaust ventilation is recommended. Use corrosion-resistant ventilation equipment. Practice safe workplace habits. Minimise body contact with this, as well as all chemicals in general.

### RESPIRATORY PROTECTION:

None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

### HAND PROTECTION:

Neoprene or rubber gloves with cuffs.

### EYE PROTECTION:

Goggles with side shields; safety eyebath nearby.

### SKIN PROTECTION:

Coveralls, apron, or other equipment should be worn to minimise skin contact.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>VAPOUR PRESSURE:</b>	17mm Hg @ 20°C	<b>SOLUBILITY:</b>	Appreciable (> 95%)
<b>VAPOUR DENSITY:</b>	< 1	<b>SPECIFIC GRAVITY:</b>	1.106
<b>EVAPORATION RATE:</b>	< 1	<b>FREEZING POINT:</b>	32 °F (0 °C)
<b>APPEARANCE &amp; ODOUR:</b>	Clear to light amber liquid, practically odourless.	<b>PHYSICAL STATE:</b>	Liquid
<b>pH:</b>	11	<b>V.O.C. CONTENT:</b>	None
<b>BOILING POINT:</b>	212 °F (100 °C)	<b>VISCOSITY:</b>	Like that of water

### 10. STABILITY & REACTIVITY

Stable under the recommended storage and handling conditions (see section 7).  
Avoid extremes in temperature, keep this product from freezing.  
Keep away from oxidising agents and strongly alkaline and strongly acidic materials.  
Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon and lithium, hydrocarbons, fumes, and smoke may be produced.

### 11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

### 12. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

### 13. DISPOSAL CONSIDERATIONS

#### DISPOSE OF IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS

Further information on disposal methods and contractors is available from the National Association of Waste Disposal Contractors **tel:** 0207 824 8882/**fax:** 0207 824 8753.

### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

Components of this product are on the European Inventory of Existing Commercial Chemical Substances.

S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S25 Avoid contact with eyes.

S28 After contact with skin, wash immediately with plenty of soap and water.

THIS SAFETY DATA SHEET FOLLOWS THE REQUIREMENTS OF DIRECTIVE 93/112/EEC. THE INFORMATION CONTAINED HEREIN IS CORRECT TO THE BEST OF OUR KNOWLEDGE AT THE DATE OF PUBLICATION AND NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, INJURY OR DAMAGE RESULTING FROM ITS USE. IT IS INTENDED AS A GUIDE FOR THE SAFE HANDLING, STORAGE AND USE UNDER NORMAL CONDITIONS, BUT IT DOES NOT NECESSARILY REFER TO THE PARTICULAR REQUIREMENT OF THE CUSTOMER WHEN FURTHER ADVICE SHOULD BE OBTAINED

