

First-aid measures

- **General information:**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- **After inhalation:**
Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
- **After skin contact:**
Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner. Do not use solvents or thinners
- **After eye contact:**
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- **After swallowing:**
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

Fire-fighting measures

- **Suitable extinguishing agents:**
alcohol resistant foam, CO₂, powders, waterspray
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- **Protective equipment:** Appropriate breathing apparatus may be required.
- **Additional information** Cool endangered receptacles with water spray.

Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**
Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 7 and 8. Contain and collect spillage with non - combustible adsorbent materials and place in container for disposal according to local regulations (see section 13). If the product contaminates lakes, rivers sewages, inform appropriate authorities in accordance with local regulations.

Handling and storage**Handling:**

- **Information for safe handling:**
Avoid concentration higher than occupational exposure limits. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.
Smoking, eating and drinking should be prohibited in application area. Never use pressure to empty: container is not a pressure vessel.
Always keep in containers of same material as the original one. Comply with the health and safety at work laws.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in accordance with local rules and legislation.
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
Store between 5 and 30 °C in a dry, well ventilated place away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Exposure controls/personal protection

- **Additional information about design of technical facilities:**
Provide adequate ventilation. Where reasonably practicable this should be achieved by use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes and skin.
- **Respiratory protection:**
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- **Protection of hands:**
For prolonged or repeated contact, wear suitable gloves.
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
- **Material of gloves** PVC gloves
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Use safety eyewear designed to protect against splash of liquids.
- **Body protection:** Protective work clothing.

Physical and chemical properties

- **General Information**
- **Form:** Pasty
- **Colour:** Various colours
- **Odour:** Characteristic
- **Change in condition**
- **Melting point/Melting range:** not applicable.
- **Boiling point/Boiling range:** Undetermined.
- **Flash point:** >100 ° C
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:**
Product does not present an explosion hazard.
- **Density:** at 20 ° C ca. 1.81 g/cm³
- **Solubility in / Miscibility with**
- **Water:** Miscible.

Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Materials to be avoided:**
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- **Dangerous reactions**
No dangerous reactions known if used according to specifications.
- **Dangerous decomposition products:**
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

Toxicological information**Acute toxicity:****Primary irritant effect:**

- **on the skin:**
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
- **on the eye:**
The liquid splashed in the eyes may cause irritation and reversible damage
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**
There are no data available on the preparation itself. Exposure to component vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.
Systems and signs include headache; dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Ecological information**General notes:**

Do not allow product to reach ground water, water course or sewage system.
There are no data available on the preparation itself.

Disposal considerations**Product:**

- **Recommendation**
Waste and emptied containers should be disposed of according to the local rules and legislation.
- **European waste catalogue**
08 01 11: waste paint and varnish containing organic solvents or other dangerous substances
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning.

Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Item:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** no
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

Regulatory information

- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **National regulations:**
- **Waterhazard class:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Changed chapters are signed with*.

- **Department issuing MSDS:** Department Development/Laboratory
- **Contact:** Point 1: Manufacturer/Supplier

Recipients of WBS products must take responsibility for existing laws and regulations and at all times operate within Health and Safety guidance on the use of these products.

The information provided within this data sheet is deemed to be accurate to the best of our knowledge and given in good faith.