1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MasterTop 1080 PART A
Product code : 000000000050589443 000000000050589443

Manufacturer or supplier's details
Company : SAUDI BASF FOR BUILDING MATERIALS CO. LTD
Address : Dammam 2nd Industrial Area
          AL Khobar 31952
Telephone : +966966138121140
Emergency telephone : ChemTel: +1-813-248-0585
Telefax : +966966138121822

Recommended use of the chemical and restrictions on use
Recommended use : Product for construction chemicals

2. HAZARDS IDENTIFICATION

GHS Classification
Skin irritation : 2
Eye irritation : Category 2A
Skin sensitization : 1
Hazardous to the aquatic environment - acute hazard : 2
Hazardous to the aquatic environment - chronic hazard : 2

GHS label elements
Hazard pictograms : ![Exclamation Mark] ![Trees]
Signal Word : Warning
Hazard Statements : H319 Causes serious eye irritation.
                   H315 Causes skin irritation.
                   H317 May cause an allergic skin reaction.
                   H401 Toxic to aquatic life.
                   H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements:

Prevention:
P273 Avoid release to the environment.
P260 Do not breathe dust or mist.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311 Call a POISON CENTER/ doctor/ .
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P391 Collect spillage.

Disposal:
P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards which do not result in classification
If applicable information is 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : modified epoxy resin
Fillers

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Concentration (%) w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight &lt;= 700)</td>
<td>25068-38-6</td>
<td>&gt;= 50 - &lt;= 100</td>
</tr>
<tr>
<td>oxirane, mono[(C12-14-alkyloxy)methyl] derivs.</td>
<td>68609-97-2</td>
<td>&gt;= 7 - &lt; 10</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>&gt;= 3 - &lt; 7</td>
</tr>
<tr>
<td>N,N’-Ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)</td>
<td>123-26-2</td>
<td>&gt;= 0,3 - &lt; 3</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled : If difficulties occur after vapour/aerosol has been inhaled,
In case of skin contact: After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

In case of eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed:
- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.

Notes to physician:
- Treat symptomatically.
- There is no specific antidote available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
- Foam
- Water spray
- Dry powder
- Carbon dioxide (CO2)

Unsuitable extinguishing media:
- Water jet

Hazardous combustion products:
- Harmful vapours
- Nitrogen oxides
- Fumes/smoke
- Carbon black
- Carbon oxides

Specific extinguishing methods:
- The degree of risk is governed by the burning substance and the fire conditions.
- If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.
- Contaminated extinguishing water must be disposed of in accordance with official regulations.

Special protective equipment for fire-fighters:
- Wear a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
- Do not breathe vapour/aerosol/spray mists.
- Wear eye/face protection.
- If exposed to high vapour concentration, leave area immediately.
- Use personal protective clothing.
- Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:
- Contain contaminated water/firefighting water.
- Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up:
- Large spills should be collected mechanically (remove by pumping) for disposal.
Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Product is not explosive.

Advice on safe handling:
- Avoid aerosol formation.
- Avoid inhalation of mists/vapours.
- Avoid skin contact.
- No special measures necessary provided product is used correctly.

Further information on storage conditions:
- Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.
- Protect from direct sunlight.

Materials to avoid:
- Observe VCI storage rules.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters:
Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Remarks: Chemical resistant protective gloves (EN 374) Manufacturer’s directions for use should be observed because of great diversity of types. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): butyl rubber (butyl) - 0.7 mm coating thickness fluoroelastomer (FKM) - 0.7 mm coating thickness
Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374) polyvinylchloride (PVC) - 0.7 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness
Eye protection

Skin and body protection

Protective measures

Hygiene measures

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Color

Odor

pH

Melting temperature

boiling temperature

Flash point

Flammability (solid, gas)

Vapor pressure

Relative density

Density

Bulk density

Solubility(ies)

Water solubility

Partition coefficient: n-octanol/water
Autoignition temperature : No data available

Decomposition temperature : 350 °C
Violent decomposition and deflagration takes place above the indicated temperature or under local heating.

Viscosity
Viscosity, dynamic : 10.000 - 13.000 mPa.s
Method: Brookfield
Viscosity, kinematic : 38.8 mm²/s (23 °C)

Explosive properties : Not explosive
Not explosive

Oxidizing properties : not fire-propagating

Metal corrosion rate : No corrosive effect on metal.

10. STABILITY AND REACTIVITY

Reactivity : Reacts with lyes, metals and organic compounds.
Chemical stability : The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions : Reacts with acids, alkalies and oxidizing agents.
Reacts with amines.
Stable under normal conditions.

Conditions to avoid : Temperature 300 degrees Celsius
Avoid heat.
Incompatible materials : No substances known that should be avoided.
Hazardous decomposition products : Phenols

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Product:
Acute oral toxicity : LD50(Rat): > 5.000 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization
May cause an allergic skin reaction.
Respiratory sensitization
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment
Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Persistence and degradability

Product:

Biodegradability : Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

Stability in water : Remarks: The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Because of the product's consistency and low water solubility, bioavailability is improbable.
Components:

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:
Partition coefficient: n-octanol/water : log Pow: 7.25 (25 °C)
Method: other (calculated)
GLP: no

Benzyl alcohol:
Partition coefficient: n-octanol/water : log Pow: 1.05 (20 °C)
Method: Partition Coefficient
GLP: no data
Remarks: Information taken from reference works and the literature.

N,N’-Ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide):
Partition coefficient: n-octanol/water : log Pow: >= 5.86
Method: Partition coefficient (n-octanol/water), HPLC method.

Mobility in soil

Product:
Distribution among environmental compartments : Remarks: The substance will not evaporate into the atmosphere from the water surface.
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.
Following exposure to soil, adsorption to solid soil particles is unlikely, therefore contamination of groundwater is expected.

Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : Observe national and local legal requirements.
Residues should be disposed of in the same manner as the substance/product.
Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG
UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
9 / 10

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. OTHER INFORMATION

Full text of other abbreviations
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.

UN / EN