

P.O. BOX 3786, BRACKNELL, BERKS, RG12 7TH  
TELEPHONE: 0118 989 2666 FAX: 0118 989 0929  
E-MAIL: sales@dichem.co.uk  
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## 1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

**Name of Product:** **TOPTARD**

**Use Description of Product:** Aqueous solution of sugars used as a concrete retarder.

**Supplier:** Direct Chemicals  
P.O. BOX 3786,  
BRACKNELL,  
BERKS,  
RG12 7TH  
United Kingdom

**Telephone:** 0118 989 2666

**Fax:** 0118 989 0929

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

## 3. HAZARDS IDENTIFICATION

**Main Hazards:** No significant hazard.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin Contact:** There may be mild irritation at the site of contact.

**Eye Contact:** May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye.

**Ingestion:** There may be irritation of the throat. If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhoea may occur.

**Inhalation:** May cause irritation to the respiratory system.

## 4. FIRST AID MEASURES (ACTIONS)

**Skin Contact:** Wash skin with soap and water as soon as reasonably practicable, remove heavily contaminated clothing for laundering and wash underlying skin.

**Eye Contact:** Wash eyes with clean water for 15 minutes, ensuring that eyelids are held open. Obtain medical advice if irritation develops or persists.

**Ingestion:** Wash out mouth with water. The ingestion of large amounts is unlikely, however should this occur, do not induce vomiting: obtain medical advice.

**Inhalation:** If inhalation of mists fumes or vapour causes irritation of the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

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## 5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Product does not support combustion.
- Exposure Hazards:** This product may give rise to hazardous fumes in a fire.
- Protection of Fire Fighters:** Fire-resistant clothing and self-contained breathing apparatus is recommended for fires in confined spaces and poorly ventilated areas.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Wear suitable protective clothing; Wear suitable eye protection.
- Environmental Precautions:** Not regarded as dangerous for the environment. If material enters drains or sewers, dilute as much as possible with water.
- Clean Up Procedures:** Small spills soak up with absorbent granules, sand or earth and collect solids into suitable, marked container for proper disposal.

## 7. STORAGE AND HANDLING

- Handling Requirements:** Although the product is not classified as hazardous, good working practices and standards of personal hygiene should be maintained.
- Storage Conditions:** Keep away from direct sunlight. Store in dry, cool frost free conditions, in original containers.
- Suitable Packaging:** Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Hazardous ingredients:** ETHYLENE GLYCOL\*MEG\*ETHANE-1,2-DIOL  
WEL (8 hr exposure limit): 10mg/m<sup>3</sup>
- SUGAR  
WEL (8 hr exposure limit): 10mg/m<sup>3</sup>  
WEL (15 min exposure limit): 20mg/m<sup>3</sup>
- Engineering Measures:** Ensure there is sufficient ventilation of the area.
- Respiratory Protection:** Respiratory protection is not normally required.
- Hand Protection:** Protective gloves.
- Eye Protection:** Safety glasses. Ensure eye bath is to hand.
- Skin Protection:** Protective clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>State:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Barely perceptible odour
<b>Evaporation Rate:</b>	Similar to water
<b>Solubility in water:</b>	Highly Soluble
<b>Flash Point °C:</b>	>100°C
<b>Relative Density:</b>	1.05

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat
<b>Materials to Avoid:</b>	Strong Oxidising Agents. Strong Acids
<b>Haz. Decomp. products:</b>	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Chronic toxicity:</b>	May cause sensitisation by skin contact
<b>Routes of Exposure:</b>	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	Soluble in water. Readily absorbed into soil.
<b>Persistence and degradability:</b>	Expected to be biodegradable.
<b>Bioaccumulative potential:</b>	There is no evidence to suggest that bioaccumulation will occur.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal operations:</b>	Dispose of via an authorised person / licensed waste disposal contractor in accordance with local regulations.
<b>NB:</b>	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## 14. TRANSPORT INFORMATION

### ADR / RID

**A.D.R Class:** Not classified

### IMDG / IMO

**Class:** Not classified

### IATA / ICAO

**Class:** Not classified

## 15. REGULATORY INFORMATION

**Hazard Symbols:** No significant hazard.

**Safety Phrases:** S24/25: Avoid contact with skin and eyes.  
S1/2: Keep locked up and out of the reach of children.  
S21: When using do not smoke.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S27/28: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.  
S36/37: Wear suitable protective clothing and gloves.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 17. OTHER INFORMATION

**Legal Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.