

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 / PREPARATION & SUPPLIER

**Name of Product:** **FORMTARD** **V2 17.11.2010**  
**Use Description of Product:** Aqueous solution of sodium citrate and mono & di-saccharides 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. HAZARDS IDENTIFICATION

**Classification under CHIP:** This product is not classified as hazardous under chip  
**LABEL ELEMENTS UNDER CHIP:** NONE  
**Main Hazards:** No significant hazard.  
**Hazardous Ingredients:** Contains microbiocide, may produce an allergic reaction.  
**Other Hazards:** This material is sweet to the taste. Keep away from children and animals.  
**PBT:** This product is not identified as a PBT substance.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Dangerous components:**

Hazardous component	EINECS	Cas No	Index	Risk Phrases	Concentration
Ammonia Solution	215-647-6	1336-21-647-8	C, N	R34, R50	<1%

**Non-Dangerous components:**

**Additional Information:** For the wording of the listed risk phrases refer to section 16.

## 4. FIRST AID MEASURES

### First Aid Measures

**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.

### Symptoms and effects

**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:** If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhoea may occur.

**Inhalation:** No symptoms.

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## 5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Product does not support combustion. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure Hazards:** This product may give rise to toxic 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. Refer to section 8 SDS for personal protection details. Turn leaking containers leak side up to prevent liquid escape.
- Environmental Precautions:** Not regarded as dangerous for the environment. Do not discharge into river or drains. If material enters drains or sewers, dilute as much as possible with water. Contain the spillage using bunding.
- 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 frost free conditions, in original containers.
- Suitable Packaging:** Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- WEL:** No Data Available  
**DNEL/PNEC:** No Data Available  
**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.  
**Skin Protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Gel  
**Colour:** Green  
**Odour:** Pungent  
**Evaporation Rate:** Similar to water  
**Solubility in water:** Miscible in all proportions  
**Boiling point/Range °C:** >35  
**Flash Point °C:** >93

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pH: Alkaline

## 10. STABILITY AND REACTIVITY

**Reactivity:** Stable under normal transport or storage conditions.  
**Chemical Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat  
**Materials to Avoid:** Strong oxidising agents. Strong Acids  
**Haz. Decomp. products:** In combustion emits toxic fumes

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:**  
AMMONIA SOLUTION...100%

IVN	MUS	LD50	91	mg/kg
ORL	RAT	LD50	350	mg/kg
SCU	MUS	LD50	160	mg/kg

**Toxicity values:** No data available.  
**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** There may be irritation of the throat.  
**Inhalation:** No symptoms.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity values:** No data available.  
**Mobility:** Soluble in water. Readily absorbed into soil.  
**Persistence and degradability:** Biodegradable.  
**Bioaccumulative potential:** There is no evidence to suggest that bioaccumulation will occur.  
**PBT Identification:** This product is not identified as a PBT substance.  
**Other adverse effects:** Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Dispose of via an authorised person / licensed waste disposal contractor in accordance with local regulations.

**NB:**The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

**ADR /RID:** Not classified

**IMDG / IMO** Not classified

**IATA/ICAO** Not classified

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## 15. REGULATORY INFORMATION

**Hazard Symbols:** No significant hazard.

**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.

## 16. OTHER INFORMATION

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2002 (CHIP 3). This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

**R-phrases relevant to the products hazardous ingredients in Section 2 & 3.**

R34: Corrosive causes burns

R50: Very toxic to aquatic life

**Training Advice:** Users should be trained in good industrial hygiene practise.

**Recommended Restrictions on Use:**

**Department issuing data specification sheet:** Health and Safety Department

**Contact:** Robin Wells. Tel 0118 989 2666, E-mail: sales@dichem.co.uk

**\* Date compared to the previous version altered.**

### Legal Disclaimer:

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.