

# SAFETY DATA SHEET

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## Dio Cleanse

Revision 4  
Revision date 12-Aug-2009

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

**Product name** Dio Cleanse  
**Company** Textile Cleaning Solutions Ltd  
Centre House  
Coker Road  
Worle Industrial Estate  
Weston Super Mare  
BS22 6BX  
sales@texatherm.com  
www.texatherm.com  
**Telephone** +44 (0) 1934 521155  
**Fax** +44 (0) 1934 521166

### 2 HAZARDS IDENTIFICATION.

**Main hazards** No Significant Hazard

### 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

#### Hazardous ingredients

|   | Conc. | CAS         | EINECS    | Symbols/Risk phrases      |
|---|-------|-------------|-----------|---------------------------|
| C12- C14 alkyldimethylbenzylammonium chloride                 | 0-1%  | 68391-01-5  | 269-919-4 | C; R34 Xn; R22 N; R50     |
| Quaternary coco alkyl methyl amine ethoxylate methyl chloride | 0-1%  | 863679-20-3 |           | Xn; R22 Xi; R38-41 N; R50 |

### 4. FIRST AID MEASURES

**Skin contact** May cause irritation to skin.  
Wash off immediately with plenty of soap and water. Remove contaminated clothing.  
Seek medical attention if irritation or symptoms persist.

**Eye contact** May cause irritation to eyes.  
Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.

**Inhalation** May cause irritation to mucous membranes.  
Move the exposed person to fresh air. Keep the affected person warm and at rest. Seek medical attention if irritation or symptoms persist.

**Ingestion** May cause irritation to mucous membranes.  
DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink 1 to 2 glasses of water.  
Never give anything by mouth to an unconscious person. Seek medical attention if irritation or symptoms persist.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Use extinguishing media appropriate to the surrounding fire conditions. Cool fire exposed containers with waterspray.

**Fire hazards** Burning produces irritating, toxic and obnoxious fumes. Carbon oxides. Nitrogen oxides.

**Protective equipment** Wear suitable respiratory equipment when necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Ensure adequate ventilation of the working area. Wear suitable protective equipment.  |
| <b>Environmental precautions</b> | Do not allow product to enter drains. Prevent further spillage if safe.   |
| <b>Clean up methods</b>          | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |

## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
| <b>Storage</b>  | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.   |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                               |   |
|-------------------------------|---|
| <b>Engineering measures</b>   | Ensure adequate ventilation of the working area.                          |
| <b>Respiratory protection</b> | In case of insufficient ventilation, wear suitable respiratory equipment. |
| <b>Hand protection</b>        | Chemical resistant gloves (PVC)   |
| <b>Eye protection</b>         | In case of splashing, wear: Approved safety goggles.                      |
| <b>Protective equipment</b>   | Wear protective clothing.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |           |
|-------------------------|-----------|
| <b>Description</b>      | Liquid.   |
| <b>Colour</b>           | Blue.     |
| <b>Odour</b>            | Pleasant. |
| <b>pH</b>               | ca 9.5    |
| <b>Boiling point</b>    | >100°C    |
| <b>Relative density</b> | ca 1.025  |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Stability</b>                        | Stable under normal conditions.   |
| <b>Conditions to avoid</b>              | Heat, sparks and open flames.   |
| <b>Materials to avoid</b>               | Oxidising agents. Strong acids.   |
| <b>Hazardous decomposition products</b> | Burning produces irritating, toxic and obnoxious fumes. Carbon oxides. Nitrogen oxides. |

## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

C12- C14 alkyldimethylbenzylammonium chloride

Oral Rat LD50 = 795 mg/kg

|                                       |  |
|---------------------------------------|--|
| <b>Repeated or prolonged exposure</b> | May cause irritation to skin and eyes. |
|---------------------------------------|--|

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

C12- C14 alkyl dimethyl benzyl ammonium chloride  
Daphnia EC50/48h = 1 mg/l  
Fish LC50/96h = 1 mg/l

Quaternary coco alkyl methyl amine ethoxylate  
methyl chloride  
Daphnia EC50/48h = 1 mg/l

**Degradability** Readily biodegradable.

**Bioaccumulation** Does not bioaccumulate.

## 13. DISPOSAL CONSIDERATIONS

**General information** Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

**Further information** The product is not classified as dangerous for carriage.

## 15. REGULATORY INFORMATION

**Risk phrases** NSH - No Significant Hazard.

**Safety phrases** S24 - Avoid contact with skin.  
S37/39 - Wear suitable gloves and eye/face protection.

## 16. OTHER INFORMATION

**Text of risk phrases in Section 3.** R22 - Harmful if swallowed.  
R34 - Causes burns.  
R38 - Irritating to skin.  
R41 - Risk of serious damage to eyes.  
R50 - Very toxic to aquatic organisms.

**Further information** The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

**Revision** This document differs from the previous version in the following areas:  
2 - hazardous ingredients.