

MATERIAL SAFETY DATA SHEET

**1. IDENTIFICATION OF THE PRODUCT AND COMPANY**

- 1.1 Trade Name: TRIGENE ADVANCE  
1.2 Type of Product: Disinfectant cleaner.  
1.3 Manufacturer/Supplier: MediChem International Ltd  
1.4 Marketing Address: PO Box 237, Sevenoaks, Kent TN15 0ZJ  
TEL: 01732 763555, FAX: 01732 763530  
E-mail: info@medichem.co.uk [www.medichem.co.uk](http://www.medichem.co.uk)  
1.5 SDS Competent person: technical@medichem.co.uk

*Note: The data herein is in respect of TriGene Advance concentrate disinfectant unless otherwise stated.*

**2. HAZARDS IDENTIFICATION**

This product is not classified as dangerous under CHIP 3.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.1 Chemical type: Halogenated Tertiary Amine  
3.2 Major ingredients:
- |  | <u>C.A.S</u> |      |
|--|--------------|------|
| Polymeric Biguanide Hydrochloride        | 27083-27-8   | <10% |
| Alkyl Dimethyl Benzyl Ammonium Chloride) | 68424-85-1   | <10% |
| Didecyl Dimethyl Ammonium Chloride)      | 7173-51-5    |      |

**4. FIRST-AID MEASURES**

(Must be taken immediately)

- 4.1 Inhalation (concentrate): Non-toxic: avoid long term inhalation of neat liquid. Remove to fresh air.  
4.2 Inhalation (prediluted): Avoid using fine mist sprays, avoid inhalation of fine mist.  
4.3 Eye contact: Rinse eyes with water copiously for 10 minutes. Seek medical advice as necessary.  
4.4 Skin contact: Wash affected area with soap and water. Avoid prolonged contact.  
4.5 Ingestion: Do not induce vomiting. Give water to drink. Seek medical advice where necessary.

**5. FIRE-FIGHTING MEASURES**

(Not flammable solution)

- 5.1 Extinguishing media: Any available means.  
5.2 Explosive quality: Nil.  
5.3 Specific hazard: Burning of residue produces irritating fumes.  
5.4 Specific protective measures for fire fighters: Breathing apparatus should be worn

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Environmental precautions: Product is biodegradable under OECD conditions operational 6/1995.  
6.2 Clean up method: Flush to drain with copious water or soak up onto inert material and dispose of with clinical waste.  
6.3 Clothing for disposal: Wear gloves and apron, avoid prolonged skin contact.

**7. HANDLING AND STORAGE**

- 7.1 Handling guidelines: Safe handling by trained professional staff in accordance with label instructions only. Not to be mixed with other chemicals. Keep from children.  
7.2 Storage guidelines: Store in dry place not below 0°C or above 30°C and out of direct sunlight. Keep lidded. Keep from foodstuffs and drinks.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Personal protection: Use with care, avoid eye contact and prolonged skin contact. Gloves and safety glasses recommended if available. External use only. Not for ingestion.
- 8.2 Skin contact: Low risk: may degrease skin leading to dryness if excessive contact.
- 8.3 Eye contact: Low risk: may cause temporary discomfort.
- 8.4 Inhalation: Low risk: avoid inhalation of fine mist spray.
- 8.5 Inhalation (long term): Low risk: avoid inhalation of fine mist spray.
- 8.6 Ingestion: Low risk: substantial ingestion will cause discomfort to mouth and digestive tissues.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical State: Liquid.
- 9.2 Appearance and Odour: Green with citrus fragrance, clear with low odour, yellow with lemon fragrance, blue with Eucalyptus fragrance, and mauve with lavender fragrance.
- 9.3 Evaporation Rate: As water.
- 9.4 Boiling Point: 110°C.
- 9.5 Freezing Point: -20°C.
- 9.6 % Volatile (by weight): >95%.
- 9.7 Solubility in Water (20°C): Soluble.
- 9.8 pH: 5.5 – 6.0 as concentrate, 5.5 approximately in dilution.
- 9.9 Specific Gravity: 1.000 @ 20°C.

## 10 STABILITY AND REACTIVITY

- 10.1 No decomposition if stored and used as directed.
- 10.2 Hazardous decomposition products: None under normal use.
- 10.3 If mixed with strong alkalis, may neutralise or reduce disinfectant qualities.

## 11 TOXICOLOGICAL INFORMATION

- 11.1 Human Studies: 4 hour and 20 hours patch tests have shown minor skin reddening but no harmful effects.

## 12 ECOLOGICAL INFORMATION

- 12.1 No known adverse effects from normal use.

## 13 DISPOSAL CONSIDERATIONS

- 13.1 Packaging: Can be disposed of as normal waste in accordance with local authority regulations.
- 13.2 Contaminated Packaging: May be disposed of safely under normal conditions in accordance with local authority regulations.
- 13.3 Product: Solution to be disposed of in accordance with spillage instructions as detailed in Section 6.

## 14 TRANSPORT INFORMATION

- 14.1 No special conditions apply. Not dangerous.

## 15 REGULATORY INFORMATION

### SAFETY PHRASES

- (S2) Keep out of reach of children  
(S24/S25) Avoid contact with the skin and eyes  
(S50) Do not mix with other chemicals

## 16 OTHER INFORMATION

- Not a licensed medicine