

Date-Issued: 30-Nov-18  
MSDS Ref. No: G9  
Date-Revised: 12-01-18  
Revision No: 1



MATERIAL SAFETY DATA SHEET  
**G9 Chlorhexidine Hand Scrub**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

1.1 PRODUCT IDENTIFIER

Trade name: G9 Chlorhexidine Hand Scrub

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Hand scrub

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer/Supplier: G9 Chemicals Ltd  
24 High Street  
Charing  
Ashford  
Kent  
TN27 0HX

1.4 EMERGENCY TELEPHONE NUMBER

|                             |                 |     |
|-----------------------------|-----------------|-----|
| Telephone Number:           | +44 (0)1580 895 | 141 |
| Fax Number:                 | +44 (0)1580 895 | 141 |
| Emergency Telephone Number: | +44 (0)1580 895 | 141 |

**0. HAZARDS IDENTIFICATION**

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Directive 67/548/EEC & Directive 1999/45/EC C : Corrosive.  
R34: Causes burns.

2.2 LABEL ELEMENTS

HAZARD STATEMENTS

H318: Causes serious eye damage

Signal word(s) DANGER

Hazard pictogram(s)



DANGER

Hazard Statement Eye Dam. 1: H318 - Causes serious eye damage.

Precautionary Statement Prevention P102 - Keep out of reach of children.  
P103 - Read label before use.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response P101 - If medical advice is needed, have product container or label at hand.  
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 -Immediately call a POISON CENTER/doctor/ .

#### ADDITIONAL LABEL REQUIREMENTS

None

#### 2.3 OTHER HAZARDS

This data sheet covers solutions containing greater than 5%.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 SUBSTANCES

| Hazardous ingredient(s)  | %(w/w)    | CA / EC No.  | CLP Classification  |
|--|-----------|--|---|
| Amides, C8-18 (even numbered) and C18-unsatd., N, Nbis(hydroxyethyl)   | 1.0 – 5.0 | CAS: Not available.<br>EC: Not available.<br>RRN: 01-2119490100-53               | Skin Irrit. 2, H315<br>Eye Dam. 1, H318   |
| 1-propanaminium, 3-amino-n-(carboxymethyl)-n,ndimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts<br>Coco amides, N-[3-(dimethylamino)propyl] | 1.0 – 5.0 | EC: 931-513-6<br>CAS: 61789-40-0<br>REACH #: 01-2119557877-18<br>CAS: 68140-01-2 | Eye Dam. 1, H318<br>Acute Tox. 4, , H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1 H318<br>Aquatic Acute 1, H400 |
| Ethyl Alcohol  | 1.0 – 5.0 | 64-17-5<br>200-578-6<br>603-002-00-5   | Flam Liq 2, Eye Irrit.2   |
| Cholorhexidine Digluconate   | 1.0 – 5.0 | 18472-51-0   | Acute Tox. 4<br>(Oral), H302  |

## 4. FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

#### Inhalation

Considered to be not hazardous by inhalation. Seek medical attention if irritation or symptoms persist. Eye contact

Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

#### Skin contact

No irritation expected. Seek medical attention if irritation or symptoms persist. Ingestion

Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

|              |                             |
|--------------|-----------------------------|
| Inhalation.  | No specific symptoms noted. |
| Eye contact  | Causes serious eye damage.  |
| Skin contact | No specific symptoms noted. |
| Ingestion    | No specific symptoms noted. |

### 4.3 INDICATION OF THE IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If you feel unwell, seek medical advice (show the label where possible). No specific first aid measures noted.

## 5. FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

|                                |                                      |
|--------------------------------|--------------------------------------|
| Suitable Extinguishing Media   | foam, CO <sub>2</sub> or dry powder. |
| Unsuitable Extinguishing Media | As appropriate for surrounding fire. |

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Non-combustible. Exothermic reaction with water. Contact with some metals e.g. aluminium, zinc can produce flammable hydrogen gas. Contact with some organic chemicals can produce violent or explosive reactions.

### 5.3 ADVICE FOR FIRE-FIGHTERS

A self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Ensure suitable personal protection during removal of spillages.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Prevent liquid entering sewers, basements and any watercourses.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Stop leak if safe to do so. Contain spillages.

Small spillages: Neutralise wherever possible. Wash the spillage area with water.

# G9 CHEMICALS

Large spillages: Contain spillages with sand, earth or any suitable adsorbent material. Remove and dispose of residues. Wash the spillage area with water. Water washing to drain of large amounts of caustic soda should only be carried out with the prior consent of the Environment Agency or other appropriate regulatory body.

Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

## 6.4 REFERENCE TO OTHER SECTIONS

See Section: 8, 13

## 6.5 ADDITIONAL INFORMATION

Spillages or large uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Remove contaminated clothing and protective equipment before entering eating areas. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Do NOT allow to freeze.

### 7.3. Specific end use

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Ethyl Alcohol WEL 8-hr limit ppm: 1000 WEL 8-hr limit mg/m<sup>3</sup>: 1920

WEL 15 min limit ppm: - WEL 15 min limit mg/m<sup>3</sup>: -

WEL 8-hr limit mg/m<sup>3</sup> total inhalable dust: -

WEL 15 min limit mg/m<sup>3</sup> total inhalable dust: -

WEL 8-hr limit mg/m<sup>3</sup> total respirable dust: -

WEL 15 min limit mg/m<sup>3</sup> total respirable dust: -

### 8.2 EXPOSURE CONTROLS

#### PERSONAL PROTECTION

None expected to be required under normal usage conditions.

#### EYE/FACE PROTECTION

None expected to be required under normal usage conditions.

#### SKIN PROTECTION

None expected to be required under normal usage conditions.

#### RESPIRATORY PROTECTION

None expected to be required under normal usage conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

|                    |                       |
|--------------------|-----------------------|
| Form               | Clear red Liquid      |
| Solubility (Water) | Fully soluble 20°C    |
| pH                 | ca.7.5 (50g/l) (20°C) |
| Specific Gravity   | ca. 1.03 at 20 °C     |

### 9.2 OTHER INFORMATION

Refer to technical brochure.

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No specific reactivity hazards associated with this product.

### 10.2 CHEMICAL STABILITY

Stable under normal conditions.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Strong acids and strong bases. Strong oxidising agents.

### 10.4 CONDITIONS TO AVOID

Heat. Do NOT allow to freeze.

### 10.5 INCOMPATIBLE MATERIALS

Heat. Do NOT allow to freeze.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCT(S)

Burning produces irritating, toxic and obnoxious fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | Based on available data the classification criteria are not met.            |
| Skin corrosion/irritation         | Based on available data the classification criteria are not met.            |
| Serious eye damage/irritation     | Causes serious eye damage.  |
| Respiratory or skin sensitisation | Based on available data the classification criteria are not met.            |
| Germ cell mutagenicity            | No mutagenic effects reported.  |
| Carcinogenicity                   | No carcinogenic effects reported.   |
| Reproductive toxicity             | No teratogenic effects reported.  |
| STOT-single exposure              | Not classified as a specific target organ toxicant after a single exposure. |
| STOT-repeated exposure            | Not classified as a specific target organ toxicant after repeated exposure. |
| Aspiration hazard                 | Based on available data the classification criteria are not met.            |

## 12. ECOLOGICAL INFORMATION

### 12.1 TOXICITY

No reliable data available. Chlorhexidine digluconate Daphnia EC50/48h:  
0.100000 mg/l Algae IC50/72h: 0.011 mg/l Fish  
LC50/96h: 10.400000 mg/l

### 12.2 PERSISTENCE AND DEGRADABILITY

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3 BIOACCUMULATIVE POTENTIAL

Sodium hydroxide does not bioaccumulate.

### 12.4 MOBILITY IN SOIL

Sodium hydroxide becomes increasingly more mobile in soil with dilution.

### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This product does not contain any PBT or VPvB substances.

### 12.6 OTHER ADVERSE EFFECTS

None identified

## 13. DISPOSAL

### 13.1 WASTE TREATMENT METHODS

Disposal should be in accordance with local, state or national legislation.  
Do not empty into drains; dispose of this material and its container in a safe way.  
Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

### 13.2 ADDITIONAL INFORMATION

Sludge waste containing mercury (see Storage) will require to be disposed of in an authorised treatment facility licenced under the Environmental Protection Act (EPA).

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

## 15. REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

# G9 CHEMICALS

Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH Essentials: Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.

## INVENTORY STATUS

Listed in: Australia (AICS) Canada (DSL/NDSL) China (IECSC) European Union (EINECS/ELINCS) South Korea (KECI) Philippines (PICCS) New Zealand Inventory (NZIoC) Switzerland United States (TSCA)

## 15.2 CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment (CSA) has been completed for this substance.

## 16. OTHER INFORMATION

### REVISION COMMENTS

Classification in accordance with REACH registration dossier and HSPA recommendations

#### Disclaimer

The information contained in this document is intended to describe the product only in terms of health, safety and environmental requirements for the purposes of its safe handling, use and disposal and is to the best of G9 Chemicals Ltd's knowledge and belief correct. G9 Chemicals Limited Technical Services will be pleased to give further advice and assistance, but customers must satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use and that their facilities and arrangements are suitable for handling or using the product. Accordingly G9 Chemicals Limited disclaims any liability for loss, injury or damage which may result from the use of the product, this information or from such advice and assistance save as may be expressly agreed under its terms of sale. This information does not comprise a technical or performance specification for the product and customers are referred to any relevant product technical information or specification issued by G9 Chemicals Limited.

Customers are also reminded that there may be uses or application for the product which are protected by G9 Chemicals Limited or third parties' patent rights and nothing herein may be construed as an authority or encouragement to use or apply the product in contravention of such rights.