

## MATERIAL SAFETY DATA SHEET

### **1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

GHS Product identifier

**Product Name : DISH WASH GEL CONCENTRATE**

Recommended use of the chemical and personal care restrictions on use : For liquid dishwashing and not for

Use of the mixture : In preparation of Home care Products  
Supplier's details : **Swadesh International (WHO-GMP Certified)**  
**Office** : H/1,sumel-7,soni Ni chawl, Rakhial, Ahmedabad, Gujarat.  
**Work**: Plot :7,Sri Hari ind. Jak-kadadara Road, Gandhinagar. Gujarat.

### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

Composition Name	CAS Number
Lauryl amine oxide	1643-20-5
Sodium lauryl ether sulfate	9004-82-4
Benzalkonium chloride	8001-54-5
Nonionic surfactants	6540-99-4

### **3. HAZARD IDENTIFICATION CLASSIFICATION OF THE MIXTURE:**

Skin irritation Category 4; Eye damage Category 2;  
Acute aquatic toxicity Category 4; Chronic aquatic toxicity Category 4;

#### **GHS label elements, including precautionary statements**

Hazard statement(s):

H317: May Causes Mild skin irritation. H318: Causes eye damage.

Precautionary statement(s):

P280: Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352: IF ON SKIN: Wash with plenty of water.

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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 doctor/physician.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P501: Dispose off contents/container in accordance with local/regional/national/international regulations.

#### **4. FIRE- FIGHTING MEASURES**

Suitable extinguishing media	: Not Applicable
Unsuitable extinguishing media	: Not known
Special protective equipment and precautions self-contained for fire-fighters	: Wear personal protective equipment and breathing apparatus

#### **5. FIRST- AID MEASURES**

Description of necessary first-aid measures

Inhalation	: Remove to fresh air
Skin contact	: Wash with plenty of water for at least 15 minutes. Seek medical attention, if necessary
Eye contact	: Immediately flush eyes with running water, keeping the eyelids open forcibly. Remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Seek medical attention
Ingestion	: Immediately rinse mouth and drink plenty of water. If feeling unwell, after accidental swallowing, consult the doctor

Most important symptoms/effects, acute and delayed

Skin contact	: May Causes Mild irritation
Eye contact	: Risk of damage to eyes Indication of immediate medical attention and special treatment needed, if necessary
Treatment	: Treat symptomatical

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures with skin, eyes	: Use personal protective equipment. Wash exposure with the product. Avoid contact
Methods and materials for containment	: Small spill: Absorb with suitable absorbent material. Collect and cleaning up in suitable and properly labeled Large spill: Contain spilled material if

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possible. Pump into suitable and properly labeled containers. Dispose off absorbed material/collected material in accordance with regulations

## **7. HANDLING AND STORAGE**

Precautions for safe handling

: Follow general occupational hygiene such as, wash hands before and after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing. Avoid spill. Follow safe procedures for loading and un-loading of product

Conditions for safe storage, including away from any incompatibilities prolonged

: Store the material in a clean, dry place at 15-35°C, direct heat and sunlight. pH drop is possible over

storage. In case of drop in pH, it is fairly safe to use the product as long as the pH is > 5. It is difficult to pump the material below 5°C. If the product becomes non-flowable due to cold condition, then it is recommended to keep carboys in hot room of temperature 30-40°C. Once the carboy is opened, consume the product within a week. In original sealed condition, when stored as suggested, shelf life of the product is at least one year.

Stacking of carboys: palletized/non-palletized: 1+1, both while transport and during storage

Suitable packing materials

: HMHDPE carboys

Unsuitable packing materials

: MS drums

## **8. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

Physical state

: Yellow Thick paste

Colour

: Yellow

Odour

: Citrus

Odour threshold

: No data available

pH (10 % aqueous solution)

: 7.0-8.0

Solidification point

: < 2 deg. C

Initial boiling point and boiling range

: Not applicable

Flash point

: > 100°C

Evaporation rate

: No data available

Flammability (solid, gas)

: No data

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available Upper/lower flammability or explosive limits

: No data

available Vapour pressure

: No data

Vapour density

: No data available

Relative density

: 0.9500 - 1.1000 at 30°C

Solubility(ies)

: Soluble in water

Partition coefficient: n-octanol/water

: No data available

Auto-ignition temperature

: No data available

Decomposition temperature

: No data available Viscosity

## **9. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters Occupational exposure limits

Biological limit values

: Not known

Appropriate engineering controls

: Proper plant design, technical measures and working operations should minimize human exposure

Individual protection measures, such as protective equipment (PPE)

: Eye/face protection: Safety goggles personal  
Skin protection: Apron, rubber gloves, shoes  
Respiratory protection : None required when adequate ventilation is available

: 2000-3000  
cps at 25°C

## **10. STABILITY AND REACTIVITY**

Reactivity

: No hazardous reactions, if stored and handled as prescribed (Refer Section 7)

Chemical stability

: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure

Possibility of hazardous reactions

: Not anticipated when used or handled as

prescribed Conditions to avoid

: Sunlight, heat, flame and other sources of

ignition

Incompatible materials

: Do not subject to strong acids and

oxidizing agents Hazardous decomposition products

: Will not form, if stored or handled

as prescribed

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## 11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure	: Dermal and oral Symptoms related to the physical, chemical and toxicological characteristics
Skin contact	: causes irritation
Eye contact	: Risk of serious damage to eyes
Ingestion	: Harmful if swallowed
Delayed and Immediate effects and also chronic effects from short and long term exposure	: Short term exposure: No data : Long term exposure: No data available

## 12. ECOLOGICAL INFORMATION

Persistence and degradability	: Not applicable
Bio accumulative potential	: Not applicable
Mobility in soil	: No data available
Other adverse effects	: No data available
	EC50 (120 h): 2430 mg/l (Equivalent or similar to OECD Guideline 201)
Persistence and degradability	: Not applicable
Bio accumulative potential	: Not applicable
Mobility in soil	: No data available
Other adverse effects	: No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal methods	: Dispose off contents/container in accordance with local/regional/national/international regulations
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