

# Material Safety Data Sheet

Reviewed on February 2005

## 1 Product and company identification

- **Brandname:** SU 321 (VSI)
- **Manufacturer/Supplier:** **JohnsonDiversey India Private Limited**  
Survey No.56/2, Plot No. 17, Silver Industrial Estate, Bhimpore Village, Nani Daman – 396 210.  
Tel.: (0260) 222 1629 Fax: (0260) 222 0113
- **Information department:** JohnsonDiverseyIndia Private Limited  
A-8, Laxmi Towers, Bandra-Kurla Complex, Mumbai – 400 051. INDIA
- **Emergency information:** Tel.: +91 22 5644 4222 Fax: +91 22 5644 423

## 2 Composition / Information on ingredients

- **Chemical characterisation**
- **Description:** Mixture in water of non-dangerous ingredients and the substances listed below.

- **Hazardous ingredients:**

	Alkyldimethylbenzylammonium chloride	C, N; R 22-34-50	5 – 15 %
	Alkyl alcohol ethoxylate	Xi; R 22-41	5 – 15 %
5064 – 31 – 3	Trisodium nitrilotriacetate	Xn;R 22 - 36	5 – 15 %

- **Ingredients according to EC 89/542**

Cationic surfactants, non-ionic surfactants	5 – 15 %
Trisodium nitrilotriacetate	5 – 15 %

## 3 Hazards identification

- **Classification:**



Xi Irritant

- **Risk phrases:** Hazards for man and environment

R 22 Harmful if swallowed

R 34 Causes burns

R 36 Irritating to eyes

R 50 Very toxic to aquatic organisms

- **Classification system**

The classification complies with current EC regulations on dangerous substances and preparations.

## 4 First aid measures

- **General information:**

No special measures required

- **Inhalation** Remove from source of exposure. Obtain medical attention if symptoms develop.

- **Skin contact** Wash skin immediately and thoroughly with water. Remove contaminated clothing. Obtain medical attention if symptoms develop.

- **Eye contact** Wash immediately with copious amount of water and obtain medical attention if symptoms develop

- **Ingestion** Rinse our mouth and then drink one or two glasses of water (or milk). Obtain medical attention.

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### 5 Fire fighting measures

- **Suitable extinguishing media**  
CO<sub>2</sub>, Extinguishing powder or water jet. Fight larger fire with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Protection of personnel:** Not required
- **Environmental precautions:** Dilute with plenty of water.
- **Method of disposal:** Absorb with liquid binding material (sand, diatomite, universal binders, sawdust).  
Dispose off the collected material according to the regulations.

### 7 Handling and storage

- **Handling (see also sections 8 and 15)**
- **Information for safe handling:** Use common rules for working with chemicals.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage** According to local legislations.
- **Requirements for storage rooms and containers:** According to local legislations.
- **Storage in one common storage facility:** According to local legislations.
- **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Take off immediately all contaminated clothing. Do not inhale gases, fumes, aerosols.  
Wash hands during the breaks and at the end of work.  
Avoid contact with eyes and skin.
- **Breathing equipment:** Personal protection is not normally required. However inhalation of dust, vapours, aerosols should be avoided.
- **Protection of hands:** Use suitable gloves..
- **Eye protection:** Safety glasses recommended during handling the undiluted product that involves risk of splashing.

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### 9 Physical and chemical properties

- **Form and Color:** Clear colorless Liquid
- **Change in condition**
  - Melting point/Melting range:** Not determined
  - Boiling point/Boiling range:** Not determined
- **Flash point:** Not applicable
- **Spontaneous combustion:** Product is not self igniting
- **Danger of explosion:** Product is not explosive
- **Density at 20°C:** 1.0 – 1.1 gm/cm<sup>3</sup>
- **Solubility in/Miscibility with Water:** Fully miscible
- **pH-value:** 9.5 < pH < 11.0

### 10 Stability and reactivity

- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known. Exothermic reaction with acids.
- **Hazardous composition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin;** Can cause irritation
  - **on the eye:** Causes severe irritation
  - **Ingestion:** Causes irritation
  - **Inhalation:** Causes irritation
- **Additional toxicological information:**
- **EC classification:** Irritant

### 12 Ecological information

- **General notes:**
  - Must not reach sewage water or drainage ditch undiluted or unneutralized.
  - When used for its indented purpose, this product should not cause adverse effects in the environment.

### 13 Disposal considerations

- **Product:**
- **Recommendation:** Must not be disposed of with domestic water. Do not allow undiluted product to reach sewage system.
- **Uncleaned packagings:** Dispose off observing official regulations.
- **Recommendation:** Water, if necessary with cleaning agent.

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#### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** 8 Corrosive Substances
- **Kemler Number:** 80
- **UN-Number:** 3267
- **Packaging Group:** III
- **Label:** 8
- **Proper Shipping name** 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE
- **Maritime transport IMDG**
- **IMDG Class:** 8
- **UN-Number:** 3267
- **Packaging Group:** III
- **Label:** 8
- **EMS Number:** 8-15
- **Marine Pollutant:** YES
- **Proper Shipping name** 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE
- **Air transport ICAO-TI and IATA-DGR**
- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3267
- **Packaging Group:** III
- **Label:** 8
- **Proper Shipping name** 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE

Transport/Additional Information: Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

#### 15 Regulatory information

- **Classification according to EC guidelines:**  
The product has been classified and labelled in accordance with current EC Directives.
- **Symbol and hazard designation of product:**



Xi Irritant

- **Risk phrases:**  
R 22 Harmful if swallowed  
R 34 Causes burns  
R 36 Irritating to eyes  
R R 41 Risk of serious damage to eyes  
R 50 Very toxic to aquatic organisms
- **Safety phrases:**  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 37/39 Wear suitable gloves and eye/face protection.

#### 16 Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

**Department issuing material safety data sheet:**

- **Contact:** JohnsonDiversey India Private Limited  
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