

Material Safety Data Sheet

According to 91/155 EC, 93/112/EC, 2001/58/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 13.01.2004

Reviewed on 03.10.2003

1 Product and company identification

- **Brandname:** SUMA MED NEUTRAL
- **Application of the product:**
Professional product for medical instrument cleaning.
- **Manufacturer/Supplier:** JohnsonDiversey local operating company
- **Information department:** JohnsonDiversey local operating company
- **Emergency information:** JohnsonDiversey local operating company

2 Composition / Information on ingredients

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

Hazardous ingredients:
77-92-9 citric acid >= 30 %
Xi; R 36
EINECS: 201-069-1
- **Additional information:**
The full text of the relevant risk phrases is given in section 16.

3 Hazards identification

- **Classification:** Xi Irritant
- **Hazards for man and the environment:** R 36 Irritating to eyes.
- **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** Not applicable.
- **Skin contact** Not applicable.
- **Eye contact**
Wash immediately with copious amounts of water. Obtain medical attention if symptoms develop.
- **Ingestion**
Rinse out mouth and then drink one or two glasses of water (or milk). Obtain medical attention.

5 Fire fighting measures

- **Suitable extinguishing media**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

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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 of 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**
- **Requirements for storage rooms and containers:**
According to local legislation.
- **Storage in one common storage facility:** According to local legislation.
- **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: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
- **Breathing equipment:** Personal protection is not normally required.
- **Protection of hands:** In normal use hand protection is not required.
- **Eye protection:**
Safety glasses are not normally required. However, their use is recommended in those cases where handling the undiluted product involves a risk of splashing.

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9 Physical and chemical properties· **General Information**· **Form:** Liquid· **Colour:**

Clear

Uncoloured

· **Odour:** Characteristic

·

	Value/Range	Unit	Method
· 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	1.17 g/cm ³
· Solubility in / Miscibility with			
· Water:	Fully miscible		
· pH-value:	pH ≤ 2.0		

· **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 ° C1.17 g/cm³· **Solubility in / Miscibility with**· **Water:**

Fully miscible

· **pH-value:**

pH ≤ 2.0

10 Stability and reactivity· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions** Reacts with alkali.· **Hazardous decomposition products:**

No dangerous decomposition products known.

11 Toxicological information· **Acute toxicity:**· **LD50 (oral):**

Based on the toxicological classification the LD50 (oral) is estimated to be > 2000 mg/kg.

· **Primary irritant effect:**· **skin contact:** Unlikely to be irritant in normal use.· **eye contact:** Causes irritation.· **inhalation:** Causes irritation.· **ingestion:** Causes irritation.· **Additional toxicological information:**

EC classification:

Irritant

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12 Ecological information· **General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralized.

When used for its intended purpose this product should not cause adverse effects in the environment.

13 Disposal considerations· **Product**· **Recommendation:**

Must not be disposed of together with domestic waste. Do not allow undiluted product to reach sewage system.

· **European waste catalogue**

16 03 05: organic wastes containing dangerous substances

· **Uncleaned packagings**· **Recommendation:** Dispose of observing official regulations.· **Recommended cleaning agent:** Water, if necessary with cleaning agent.**14 Transport information**· **Land transport ADR/RID (cross-border)**

· **ADR/RID Class:** 8 Corrosive substances.

· **Kemler Number:** 80

· **UN-Number:** 3265

· **Packaging group:** III

· **Label** 8

· **Proper Shipping Name:** 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CITRIC ACID)

· **Maritime transport IMDG:**

· **IMDG Class:** 8

· **UN Number:** 3265

· **Label** 8

· **Packaging group:** III

· **EMS Number:** F-A, S-B

· **Marine pollutant:** No

· **Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CITRIC ACID)

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 8

· **UN/ID Number:** 3265

· **Label** 8

· **Packaging group:** III

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- **Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(CITRIC ACID)
- **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 indication of product:** Xi Irritant
- **Risk phrases:** 36 Irritating to eyes.
- **Safety phrases:**
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.
- **Text of risk phrases associated with ingredients listed in section 2**
36 Irritating to eyes.
 - **Department issuing material safety data sheet:**
JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Regional Technical Centre - Europe, Utrecht, The Netherlands
 - **Contact:**
For information to JohnsonDiversey operating companies: JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Regional Technical Centre - Europe, Utrecht, The Netherlands
 - **International references:**
 - **MSDS code:** MSDS4535
 - **Version:** 1
 - **MSDS review date:** 03.10.2003
 - **Formulation code:** KH.IC.Ra16
 - **Clearance code:** R57822