

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 21.08.2008

Revision: 21.08.2008

1 Identification of substance:

Product details:
Trade name: Mussana Mikroclean
Application of the substance / the preparation

 Product is for professional use only.
 Disinfectant and Cleaning agent

Manufacturer/Supplier:

 Hans Kratt Maschinenfabrik GmbH
 Müllheimer Straße 5
 D-68219 Mannheim

Tel. 0621 891406

Informing department:

 Sicherheitsdatenblatt@calvatis.com
 Tel.: +49 (0) 621 891 406

Emergency information: 24h emergency telephone no: +49(0)6203 105 200

2 Hazards identification

Hazard designation:


Xi Irritant

Information pertaining to particular dangers for man and environment

R 36/38 Irritating to eyes and skin.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

Chemical characterization:

Aqueous solution of alkanolamines, chelating agents, surfactants, defoamer, disinfectant and solubizer.

Hazardous components:

CAS	EC	%	Sign	R-phrases
Trisodium nitrilotriacetate				
5064-31-3	225-768-6	15 - 30	Xn	22-36
Sodium hydroxide				
1310-73-2	215-185-5	0,5 - 2	C	35
1-Methoxy-2-propanol				
107-98-2	203-539-1	1 - 5	-	10
Anionic surfactant				
		1 - 5	Xi	38-41

Additional information For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information Remove soiled clothing.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact Wash with water and soap.

After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

5 Fire fighting measures

Suitable extinguishing agents

Use fire fighting measures that suit the environment.

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CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**Protective equipment:** Wear self-contained breathing apparatus.**Additional information** Product is not combustible.

6 Accidental release measures

Person-related safety precautions: Wear protective clothing.**Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

7 Handling and storage

Handling**Information for safe handling:** Do not mix with other products.**Information about protection against explosions and fires:** No special measures required.**Storage****Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls and personal protection

Components with limit values that require monitoring at the workplace:**1310-73-2 sodium hydroxide**WEL | Short-term value: 2 mg/m³**107-98-2 1-methoxypropan-2-ol**WEL | Short-term value: 560 mg/m³, 150 ppmLong-term value: 375 mg/m³, 100 ppm**Additional information:** The lists that were valid during the compilation were used as basis.**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Remove soiled clothing.

Breathing equipment: Not required.**Protection of hands:**

Chemical protection gloves from butyl rubber or nitrile rubber of the category III in accordance with EN 347.

Consider the data of the manufacturers at the permeability and break-through times as well as the special conditions on the job (mechanical load, contact duration).

Material of gloves

Protection gloves from butyl rubber or nitrile rubber.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed safety glasses.

9 Physical and chemical properties:

General Information

Form:	Fluid
Colour:	Yellowish
Odour:	slightly like surfactant

Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	> 100°C
Crystallisation temperature / range:	< -5°C

Flash point:	Not applicable
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Density at 20°C	1.12 g/cm ³
Solubility in / Miscibility with Water:	Fully miscible
pH-value (10 g/l) at 20°C:	11.5

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Dangerous reactions Reactions with strong oxidizing agents are possible.

Dangerous products of decomposition: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity: No data for the preparation available.

Primary irritant effect:

on the skin: Irritant on skin.

on the eye: Irritant on eye.

Sensitization: No sensitizing effect known.

Additional toxicological information:

The toxicological evaluation of the preparation took place in accordance with computation methods after GefStoffV / European Union preparing guideline.

12 Ecological information:

Additional ecological information:

COD-value: 220 g O₂/kg product

General notes:

Product must not reach waters untreated.

If diluted solutions are properly feeded into biological purification plants no decline of the degradation activity is expected.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in 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.

13 Disposal considerations

Product:

Recommendation Must be specially treated with regard to official regulations.

Waste disposal key number:

Corresponding to the regulation of the European Waste catalogue the relation of the waste key numbers has to be made specific to industry and process.

European waste catalogue

Corresponding to the regulation of the EWC the relation of the waste key numbers has to be made specific to industry and process.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border)



ADR/RID-GGVS/E Class: 8 (C7) Corrosive substances.

Kemler Number: 80

UN-Number: 3267

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Packaging group:	III
Label	8
Designation of goods:	3267 ÄTZENDER BASISCHER ORGANISCHER FLÜSSIGER STOFF, N.A.G. (Trinatriumnitilotriacetat, Lösung)
Limited quantities (LQ)	LQ7
Transport category	3
Remarks:	Dependent on the packing variant special arrangements for "limited quantities" and exemptions (addr Kap.3.4) can be taken up.
IMDG Class:	8
UN Number:	3267
Label	8
Packaging group:	III
EMS Number:	F-A,S-B
Correct technical name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Trisodium nitrilotriacetate, solution)

15 Regulatory information

Designation according to EC guidelines:

The product has been labelled in accordance with EC Directives / relevant national laws.

Code letter and hazard designation of product:



Xi Irritant

Hazard-determining components of labelling:

trisodium nitrilotriacetate

Risk phrases:

36/38 Irritating to eyes and skin.

Safety phrases:

- 2 Keep out of the reach of children.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28 After contact with skin, wash immediately with plenty of water.
- 37/39 Wear suitable gloves and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.

Declaration of contents according to EC directive 648/2004:

- 15 - 30 %
 - : NTA
- < 5 %
 - : Nonionic surfactants
 - : Cationic surfactants
 - : Anionic surfactants

National regulations

Water hazard class (Germany): Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information:

The above information is based on our present knowledge about the product. It does not guarantee specific product features.

Relevant R-phrases

- R 10 Flammable.
- R 22 Harmful if swallowed.
- R 35 Causes severe burns.
- R 36 Irritation to eyes.
- R 38 Irritation of skin.
- R 41 Risk of serious damage to eyes.

Department issuing data specification sheet: Laboratory

Reference to modifications:

Sources KC-585135k

Data compared to the previous version altered.