Santoemma
Professional Cleaning Machines

Revision n. 5
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SANI FOAM
Security Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	T95
Product name	SANI FOAM

1.2. Relevant identifier uses of the substance or mixture and uses advised against

Intended use Sanitizing foaming detergent**.**

1.3. Details of the supplier of the safety data sheet

Name	MDM s.r.l.
Address	via Prima strada 9
City and Country	35026 Conselve (PD) ITALIA
	tel. +39 049 5310317
	fax +30 049 9599029
e-mail of person responsible of data sheet	info@emmediemme.biz

1.4. Emergency telephone number

For urgent inquiries refer to	tel. +39 049 5310317

SECTION 2. Hazards identification..

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements. The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin Corr. 1A	H314
Eye Dam. 1	H318

2.2. Label elements.

Hazard pictograms:

Signal words attention

Hazard statements:

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Precautionary statements:

P260 – Do not breathe mist/vapours/spray..
P310 – Immediately call a POISON CENTER or doctor/physician.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301 +P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safety data sheet available on request for professional workers.

2.3. Other hazards.
Information not available.

SECTION 3. Composition/information on ingredients.

3.2. Mixtures..
Contains:

Substance.	Conc. %.	Classification 67/548/CEE.		Classification 1272/2008 (CLP).	
ALCOHOL C11-13 POLYETHOXILATED CAS No 68439-54-3 EINECS No n.a. because it is a polymer REACH No 01-2119980051-45	1 ≤ C < 5	Xn	R22 R41	Acute Tox. 4 Eye Dam. 1	H302 H318
2-BUTOXYETHANOL CAS No 111-76-2 EINECS No 203-905-0 Index No 603-014-00-0 REACH No 01-2119475108-36 Substance with EU working exposure limit	1 ≤ C < 5	Xn Xi	R20/21/22 R36/38	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Eye Irrit. 2 Skin Irrit. 2	H332 H312 H302 H319 H315
POTASSIUM HYDROXIDE CAS No 1310-73-2 EINECS No 215-185-5 Index No 011-002-00-6 REACH No 01-2119457892-27	1 ≤ C < 5	C	R35	Acute Tox. 4 Skin Corr. 1A	H302 H314
POLIPHOSPHONIC ACID CAS: n.a. EINECS: n.a. because it is a polymer	1 ≤ C < 5			Skin Corr. 1B	H314
DIMETHYL ALKYL AMINE OXYDE CAS No 1641-20-5 e 3332,37,2 EINECS No 216-700-8 e 232-059-3	1 ≤ C < 5			Acute Tox. 4 Eye Irrit. 2 Skin Irrit. 2	H302 H319 H315
DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS No 34590-94-8 EINECS No 252-104-2 REACH No 01-2119450011-60 Substance with EU working exposure limit	1 ≤ C < 5			Not dangerous	

The meaning of H phrases is explained at section 16.

SECTION 4. First aid measures.

4.1. Description of first aid measures.
Eyes: Wash with plenty of water for at last 30-60 min Remove any contact lenses and open eyelids wide apart. Get medical attention immediately.
Skin: remove contaminated clothing, Wash with plenty of water. In case consult a doctor.
Ingestion: Drink a large amount of water. Consult a doctor. Do not induce vomit without authorization of a doctor.
Inhalation: Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

4.2. Most important symptoms and effects, both acute and delayed.
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation: Irritation of nose, throat and airway.
Ingestion: May cause discomfort if swallowed.
Skin contact: Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
Eye contact: Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.
For more information, see section 11.

4.3. Indication of any immediate medical attention and special treatment needed.
Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.
SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT Avoid water jet. Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat.

5.2. Special hazards arising from the substance or mixture.
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Pressure build up can occur with explosion risk. Avoid inhalation of material or combustion by-products.

5.3. Advice for firefighters.
GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.
Stop the flow of material, if this is without risk.
6.1.1 Personal precautions:
Keep away and wait until emergency personnel bring back to safe the area.
6.1.2 For emergency responders:
Wear appropriate protective equipment and clothing.

6.2. Environmental precautions.
The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.
Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.
Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.
Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use

7.2. Conditions for safe storage, including any incompatibilities.
Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.
Incompatible with Strong acids, alkali metals;

7.3. Specific end use(s).
Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Description	Type	Country	TWA/8h		STEL/15min			
			mg/m3	ppm	mg/m3	ppm		
POTASSIUM HYDROXYDE	TLV-ACGIH		2		2 (C)	0.87		
	DNEL						1	
2-BUTOXYETHANOL	TLV-TWA		121	25				Skin
	TLV	CH	49	10	98	20		Skin

	TLV- ACGIH		97				Skin
	OEL	EU	98				Skin
DIPROPYLENE GLYCOL MONOMETHYL ETHER	TLV-ACGIH		606	100	909	150	Skin

(C) = CEILING

8.2. Exposure controls.
Observance of safety measures used in handling chemical substances.
HAND PROTECTION: wear gloves cat III.
SKIN PROTECTION wear professional clothing.
EYE PROTECTION: suggested to wear chemical goggles or face shield
RESPIRATORY PROTECTION Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Physical state	Liquid
Colour	Red
Odour	Characteristic
pH.	13
Melting point	>60°C
Boiling point.	n.a.
Flash point.	Not flammable
Vapour pressure.	Not available.
Density.	1.05 Kg/L
Solubility	soluble

SECTION 10. Stability and reactivity.

10.1. Reactivity..
There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.
The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.
No hazardous reactions are foreseeable in normal conditions of use and storage

10.4. Conditions to avoid.
None in particular. However the usual precautions used for chemical products should be respected. Avoid heating and solar radiation exposure. Do not mix with acids.

10.5. Incompatible materials.
Strong oxidant, strong acids.

10.6. Hazardous decomposition products.
None

SECTION 11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

11.1. Information on toxicological effects.
a) Acute toxicity: the product is not toxic: data on single compounds
POTASSIUM HYDROXYDE: oral LD50 (mg/kg) 270 (rat).
2-BUTOXYETHANOL: oral LD50 (mg/kg) 470 (rat); dermal LD50 (mg/kg) 220 (rabbit); inhalation LC50 (rat), 2,21 mg/l/4h; oral LD50 (rabbit): 320 mg/Kg

DIPROPYLENE GLYCOL MONOMETHYL ETHER LD50 oral 5200mg/Kg (rat), LD50 oral 7500mg/Kg (dog)
b) Irritation: the product produce irritation to skin and eyes.
c) Corrosivity: the product is corrosive
d) Sensitisation : the product is not sensitizer
e) Toxicity dose repeated: data not available
f) carcinogenicity: the product is not carcinogen.
g) Mutagenicity: the product is not mutagen
h) Reproductive toxicity: negative

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity..
The product is not dangerous for the environment..

12.2. Persistence and degradability.
Information not available.

12.3. Bioaccumulative potential.
Information not available.

12.4. Mobility in soil.
Information not available.

12.5. Results of PBT and vPvB assessment.
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.
Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.
Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations

ADR RID:

Class:	8	UN:	1719
Packing Group:	III		
Label	8		
Nr. Kemler:	80		
Limited Quantity.	5 L		
Tunnel.	(E)		
Tecnical name:	CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXYDE)		

IMO:

Class:	8	UN:	1719
Packing Group:	III		
Label:	8		
EMS:	F-A, S-B		
Marine Pollutant.	NO		
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE)		

IATA:

IATA:	8	UN:	1719
Packing Group:	III		
Label:	8		
Cargo:			
Packing instructions:	855	Maximum quantity	30 L
Pass.:			
Packing instructions:	851	Maximum quantity:	1 L
Other instructions:	A3, A803		
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE)		

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. None
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None
Substances in Candidate List (Art. 59 REACH). None.
Substances subject to authorisation (Annex XIV REACH). None.
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None.
Substances subject to the Rotterdam Convention: None
Substances subject to the Stockholm Convention: None.
Healthcare controls: not necessary

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture.

SECTION 16. Other information.

Full text of H-Statements referred to under sections 2 and 3
H302: Harmful if swallowed
H312: Harmful in contact with skin
H314: Causes severe skin burns and eye damage
H315: Causes skin irritation
H318: Causes serious eye damage
H319: Causes serious eye irritation
H332: Harmful if inhaled

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as Reach Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

GENERAL BIBLIOGRAPHY
GENERAL BIBLIOGRAPHY
1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EC) 453/2010 of the European Parliament
5. Regulation (EC) 286/2011 (II Atp. CLP)
6. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (UE) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (UE) 944/2013 of the European Parliament (V Atp. CLP)
9 . Regulation (UE) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (CE) 830/2015
11. The Merck Index. - 10th Edition
12. Handling Chemical Safety
13. Niosh - Registry of Toxic Effects of Chemical Substances
14. INRS - Fiche Toxicologique (toxicological sheet)
15. Patty - Industrial Hygiene and Toxicology
16. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
17. ECHA website
18. MSDS of single component.

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Modified parts.
01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16