

MATERIAL SAFETY DATA SHEET

according to 91/155/EEC

Date of issue/revised on: 10/01/1997 / 02/02/1998
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name: SPRAY 2000

1.2 Manufacturer/

Distributor:

AIR TECHNIQUES, 70 Cantiague Rock Road, P.O. Box 870, Hicksville,
New York 11802

Phone No.: (516) 433-7676

Telefax No.: (516) 433-6171

1.3 Emergency tele- CHEMTREC

phone number: Phone No.: (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Chemical characterization:

SPRAY 2000 contains anionic surfactants, alkaline cleaning components and complexing agents in aqueous solution.

2.2 Hazardous components:

Chemical name	CAS No.	EC No.	Contents (%)	Symbol	R-phrases
Na ₄ -ethylenediaminetetraacetate	64-02-8		1 - 3	Xn	22-36/38-52-53

3. HAZARDS IDENTIFICATION

No special hazards known.

4. FIRST AID MEASURES

4.1 General instructions: none

4.2 Inhalation: Take care for fresh air.

4.3 Skin contact: After contact with skin, wash immediately with plenty of water.

4.4 Eye contact: In case of contact with eyes, rinse immediately with plenty of water.

4.5 Ingestion: Rinse the mouth and then drink plenty of water.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:** Carbon dioxide, fire extinguishing powder, jet of sprayed water. The product does not burn; adapt fire extinguishing measures to the ambient fire.
- 5.2 Unsuitable extinguishing media:** none known
- 5.3 Specific hazards of the product, its combustion product or developing gases:** none known
- 5.4 Special protective equipment for the firefighters:** Adapt protective equipment to surrounding fire.

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:**
Wear personal protective clothing.
- 6.2 Environmental precautions:**
Do not allow large quantities to flow into surface/ground water.
- 6.3 Methods for cleaning up:**
Remove with fluid-absorbing material (e.g. universal absorbent).
- 6.4 Additional information:**
The cleaned-up material must be correctly disposed of. Residues should be flushed off with water.

7. HANDLING AND STORAGE

- 7.1 Handling:**
Safe handling advice: Special measures are not required.
Fire and explosion protection: Special measures are not required.
- 7.2 Storage:**
Storage conditions (rooms, packaging): Store in a cool place. Do not store in temperatures below 5 °C.
Separation of incompatible products: Special measures are not required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Further engineering measures:

none

8.2 Specific control parameters:

Does not contain constituents that require workplace related monitoring of limit values.

8.3 Personal protective equipment:

Respiratory protection: not applicable

Hand protection: protective gloves

Eye protection: not applicable

Skin and body protection: not applicable

General protective and hygienic measures:

Avoid contact with eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:

Form: liquid
odourless

Colour: clear, colourless

Odour:

9.2 Changes of physical state:

Boiling point/boiling range:

no data available

Melting point/melting range:

no data available

9.3 Flash point:

not applicable

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9.4 Ignition temperature:		not applicable
9.5 Danger of explosion:		not applicable
Explosion limit:	lower:	upper:
9.6 Oxidizing properties:		none
9.7 Vapour pressure:	(20 °C)	no data available
9.8 Density:	(20 °C)	1.01 ± 0.02 g/cm ³
Bulk density		not applicable
9.9 Solubility:		
Solubility in water:	(20 °C)	soluble
9.10 pH-value:	(20 °C)	12.5 ± 0.5
9.11 Viscosity:	(20 °C)	no data available
9.12 Further information:		none

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid: None if correctly handled.

10.2 Materials to avoid: No known hazardous reactions.

10.3 Hazardous decomposition products: No known hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity:

LD ₅₀ value/oral/rat: guideline 401)	no data available	(OECD
LD ₅₀ value/dermal/rat: guideline 402)	no data available	(OECD
Acute inhalation hazard toxicity/rat: guideline 403)	no data available	(OECD
Primary skin irritation/rabbit: guideline 404)	no data available	(OECD
Primary eye irritation/rabbit eye: guideline 405)	no data available	(OECD
Sensitization/guinea-pig: guideline 406)	no data available	(OECD

11.2 Practical experiences:

Avoid contact with skin and eyes.

11.3 Further information:

The classification was conducted according to the calculating method of the guideline concerning the classification, packaging and labelling of dangerous preparations (88/379/EEC).

12. ECOLOGICAL INFORMATION

12.1 Elimination (persistence and degradability):

The surfactants comply with OECD guidelines and are therefore biodegradable.

12.2 Expected behaviour in the environment/possible environmental impact:

no data available

12.3 Ecotoxicity:

Disruption of the degrading activities of the activated sludge is not to be expected with correct discharge at low concentration levels into adapted biological sewage treatment plants.

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13. DISPOSAL CONSIDERATION

13.1 Product:

07 06 01 Aqueous cleaning liquid: neutralization, dispose of in conformity with the valid waste disposal regulations.

13.2 Contaminated packaging:

Empty packages completely. After appropriate cleaning they can be recycled. Rinse with water for recycling.

14. TRANSPORT INFORMATION

Land ADR/RID No.:	Class:	Figure/letter:	Label
Description of goods:	Kemler No.:	UN-No.:	
Inland waterways ADN/ADNR	see ADR/RID		
Sea IMDG Packaging group: pollutant: yes/no Proper shipping name:	Class: EmS:	Page: MFAG:	UN No.: Marine
Air ICAO/IATA:	Class:	Packaging group:	UN/ID No.:
Proper shipping name:			
Further information:	No dangerous goods as defined by the above mentioned transport regulations.		

15. REGULATORY INFORMATION

15.1 Marking according to EC regulations:

Although there is no labelling required for this product, we nevertheless advise observation of the safety recommendations.

S phrases: S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-37 Wear suitable gloves.

15.2 National regulations:

The national regulations must be observed.

16. OTHER INFORMATION

Contact partners:	Dr. Klaus-Michael Wolf	Phone No.: 01149/7154/1308-27	Fax No.:
01149/7154/1308-40	Dipl. Ing. Elisabeth Gehring	Phone No.: 01149/7154/1308-37	

Please observe the directions for use!

The details are based on our current knowledge. They define the product with regard to the pertinent safety arrangements and do not represent an assurance of product properties.