



#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: AC NET  
Trade code: 051010 (040807 Cattani code)  
Product type and use: Spray cleaner for autoclave chambers  
Company:

Magnolia srl - Via Natta 6/A - 43122 Parma – Italy  
Tel. + 39 0521 607604 – Fax +39 0521 399967  
e.mail: [info.magnolia@cattani.it](mailto:info.magnolia@cattani.it)

Emergency telephone number of the company and/or of an authorised advisory centre:  
BIRMINGHAM HOSPITALS POISONS UNIT: **+44 8706006266**

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

30% - 40% propan-2-ol  
N.67/548/CEE: 603-117-00-0 CAS: 67-63-0 EINECS: 200-661-7  
F Xi R11 R36 R67

1% - 3% ossirano metil-etero con 2,2(ossidoimino)bis(etanolo)  
CAS 218141-49-2  
Xi R36/38 R52/53

#### 3. HAZARDS IDENTIFICATION

The product easily catches fire if it is exposed to an ignition source.  
If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.  
Vapours of the product may cause drowsiness and dizziness.

#### 4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION.

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

#### 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

CO2 or Dry chemical fire extinguisher.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Cool the containers exposed to the fire with water.

#### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

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#### 7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.  
Do not eat or drink while working.  
Do not smoke while working.

Incompatible materials:

None in particular.

Storage conditions:

Always keep the containers tightly closed.  
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Instructions as regards storage premises:

Cool and adequately ventilated.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:

Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:

No special precaution must be adopted for normal use.

Exposure limit(s) (ACGIH):

propan-2-ol

TLV TWA: 200 ppm, A4 - 491,53 mg/m<sup>3</sup>, A4 TLV STEL: 400 ppm, A4 - 983,07 mg/m<sup>3</sup>, A4

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Clear colourless
Odour:	alcoholic
pH:	neutral
Melting point:	n.a.
Boiling point:	> 100°
Flash point:	75,5 °C
Autoignition temperature:	no
Explosive properties:	no
Oxidizing properties:	no
Relative density:	0,93 g./c.c.
Solubility in water:	soluble

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#### 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides, and powerful reducing agents.

It may catch fire on contact with oxidising mineral acids, elementary metals (alkalis and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising agents, and reducing agents.

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#### 11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

The product does not contain toxicologically relevant substances.

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#### 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

List of substances dangerous for the environment and corresponding classification:

1% - 3% ossirano metil-etero con 2,2(ossidoimino)bis(etanolo)

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/CE (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 2001/58/CE (Safety data sheets). Commission Directive 98/24/CE (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/CE (Occupational exposure limit values).

Symbols:

Xi Irritant

R Phrases:

R10 Flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S7 Keep container tightly closed.

Contents:

propan-2-ol

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents').

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16. OTHER INFORMATION

Text of R phrases referred to under heading 2:

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

R36/38 Irritating to eyes and skin.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Treshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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MAGNOLIA s.r.l. LABORATORY	PRODUCT DATA SHEET		ST-10 REV .2	
			date	03.03.2010
	PAGE		1 of 3	
<b>AC NET</b>				
<b>INTENDED USE</b>	CLEANING OF AUTOCLAVE CHAMBERS			
<b>STANDARDS AND REGULATIONS APPLICABLE TO THE PRODUCT</b>	CE 1272/2008 REG.	DANGEROUS PRODUCT LABEL AND FURTHER MODIF. AND INTEGR		
	93/42/CE DIR.	AND FURTHER MODIF. AND INTEGR.		
	UNI CEI EN ISO 14971:2009	RISKS MANAG.		
	UNI EN 980:2009	GRAPHIC SYMBOLS		
	GOV. DECREE 81/2008	HEALTH PROTECTION AND FURTHER MODIF. AND INTEGR		
	UNI EN ISO 13485:2004	REQUIREMENTS		
93/42/CE DIR.	AND FURTHER MODIF. AND INTEGR			
<b>CE OFFICIAL EFFECTIVENESS TEST</b>	NOT APPLICABLE			
<b>CHEMICAL COMPOSITION</b>	Demin. Water	65,0 %		
	Isopropanol	30,0 %		
	Alkyloxypropylamine oxide	2,5 %		
<b>CHEMICAL-PHYSICAL CHARACTERISTICS</b>	PH	7±1		
	DENSITY AT ROOM TEMPERATURE	0,93 g/cm <sup>3</sup>		
	ASPECT AND COLOUR	CLEAR COLOURLESS		
	ODOUR	alcoholic		
	BOILING POINT	NOT FIXED		
	FLASH POINT	75,5 °C		
	SOLUBILITY IN WATER	soluble		
<b>PERFORMANCES</b>	DETERGENT ACTION FOR THE CLEANING OF STAINLESS STEEL AUTOCLAVE CHAMBERS			
<b>INSTRUCTION FOR USE</b>	SPRAY ONTO THE SURFACE TO BE TREATED, WIPE CLEAN, RINSE WITH WATER AND DRY.			
<b>SHELF LIFE</b>	>30 MONTHS			
<b>STORAGE CONDITIONS</b>	KEEP AWAY FROM DIRECT SUNLIGHT - KEEP AT ROOM TEMPERATURE			
<b>FLAMMABILITY</b>	> 60°C			

<b>MAGNOLIA s.r.l.</b> LABORATORY	<b>PRODUCT DATA SHEET</b>		ST-10 REV .2	
			date	03.03.2010
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<b>DANGER WARNING</b>	<b>Xi</b>		
<b>DANGER LABELLING</b>	<p>R10 Inflammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness.</p> <p>S16 Keep away from sources of ignition. No smoking. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S7 Keep container tightly closed. It contains: propan-2-ol.</p>		
<b>BIODEGRADABILITY OF COMPONENTS</b>	No component is classified as N (dangerous for the environment). The surfactant biodegradability is not known; in any case it is contained in small quantity in the product.		
<b>UNIT CONTAINER</b>	<b>Pack characteristics</b>	500 ML PE BOTTLE	
	<b>Shape</b>	ERGONOMIC	
	<b>Weight (g)</b>	44 (with screw cap) + 22 (spray dispenser)	
	<b>Weight (content) (g)</b>	465	
	<b>Label</b>	PE, WORK-AND-TURN PRINTING APPROX. 2 g	
<b>MULTI-UNIT CONTAINER</b>	<b>Pack characteristics</b>	CORRUGATED WHITE CARTON	
	<b>Dimensions</b>		
	<b>Weight (g)</b>	4 X (465+44) + 22 =2058	
	<b>Weight (content) (g)</b>	NO. 4 BOTTLES + 1 SPRAY DISPENSER	
	<b>Label</b>		
<b>PALLETIZATION LAYOUT: N.A.</b>			

<b>MAGNOLIA s.r.l.</b> <b>LABORATORY</b>	<b>PRODUCT</b> <b>DATA SHEET</b>	<b>ST-10 REV .2</b>	
		<b>date</b>	<b>03.03.2010</b>
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ENCLOSURE A

**Label for 500 ml bottle**  
**AC NET Spray cleaner for autoclave chambers**

