



Safety Data Sheet
Eco Jet 1 Spray

Safety Data Sheet dated 10/12/2008, version 3

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

Trade name: Eco Jet 1 Spray Disinfectant
Trade code: 021001 – 021002 – 021010 (040745 – 040746 – 040765 Cattani code)
Product type and use: Disinfectant for surfaces and objects of Medical Devices in the dental practice.
Company:
Magnolia Srl - Via Natta 6/A - 43122 Parma – Italy
Tel. +39 (0)521 607604 – Fax +39 (0)521 399967
e-mail: info.magnolia@cattani.it

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

Person in charge of the safety data sheet:
Dr. E. Marcolini – Tel. +39 (0)521 538804 / e-mail: magnoliasrl@virgilio.it

2. HAZARDS IDENTIFICATION

No specific hazards are encountered under normal product use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

5% - 7% ethanol
N.67/548/CEE: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6
F; R11; substance with a Community workplace exposure limit

3% - 5% propan-2-ol
N.67/548/CEE: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7
F, Xi; R11-36-67

4. FIRST AID MEASURES

Contact with skin:
Wash with plenty of water and soap.
Contact with eyes:
Wash immediately with water for at least 10 minutes.
Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
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:
Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.
Extinguishers not to be used:
None in particular.
Risks arising from combustion:
Avoid inhaling the fumes.
Protective equipment:
Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Use gloves and protective clothing.
Environmental measures:
Limit leakages with earth or sand.
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.

7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours.

In case the product is used in close and narrow rooms or on large surfaces, ventilate adequately.

Do not eat or drink while working.

Incompatible materials:

None in particular.

Storage conditions:

Instructions as regards storage premises:

Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

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

Respiratory protection:

Not needed for normal use.

Protection for hands:

Not needed for normal use.

Eye protection:

Not needed for normal use.

Protection for skin:

No special precaution must be adopted for normal use.

Exposure limit(s) (ACGIH):

ethanol

TLV TWA: 1000 ppm, A4 - 1884,25 mg/m³, A4 TLV STEL: A4

propan-2-ol

TLV TWA: 200 ppm, A4 - 491,53 mg/m³, A4 TLV STEL: 400 ppm, A4 - 983,07 mg/m³, A4

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: clear colourless liquid

Odour: floral perfume

pH: 7

Flash point: >65° C

Solubility in water: soluble

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

Hazardous decomposition products:

None.

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.

ethanol

LD50 (RABBIT) ORAL: 6300 MG/KG

LD50 (RAT) ORAL SINGLE DOSE: 7060 MG/KG

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Contents:

Safety Data Sheet
Eco Jet 1 Spray

Fragrance Fiesta di Fiori: May produce an allergic reaction.

Special Provisions:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of reach of children.

Safety data sheet available for professional user on request.

Where applicable, refer to the following regulatory provisions :

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

16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

Paragraphs modified regarding the previous review:

7. HANDLING AND STORAGE

9. PHYSICAL AND CHEMICAL PROPERTIES

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 - Threshold 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.

MAGNOLIA s.r.l. LABORATORY	PRODUCT DATA SHEET	ST-04 REV.5
		date 21/02/2011
		PAGE 1 of 2

ECO-JET 1 Spray							
INTENDED USE	HIGH-LEVEL DISINFECTANT-DETERGENT FOR SURFACES						
STANDARDS AND REGULATIONS APPLICABLE TO THE PRODUCT	CE REG.1272/2008 DANGEROUS PRODUCTS LABELLING AND FURTHER MODIF. AND INTEGR						
	REG. 93/42/CE AND FURTHER MODIF. AND INTEGR						
	UNI CEI EN ISO 14971:2009 RISKS MANAG.						
	UNI EN ISO 13485 :2004						
	LAW 690 25/10/78 PRODUCT WEIGHT CONTROL AND FURTHER MODIF. AND INTEGR						
	UNI CEI EN ISO 980:2009 GRAPHICAL SYMBOLS USED FOR MEDICAL DEVICES LABELLING						
	GOV. DEC. 81/2008 SAFETY AND HEALTH PROTECTION AT WORK AND FURTHER MODIF. AND INTEGR						
CE OFFICIAL EFFECTIVENESS TESTS	<p>prEN 13713:1999 – UNI EN 13697:2001 STANDARD – BACTERICIDAL EFFECTIVENESS</p> <p>UNI EN 13697:2001 – UNI EN 1650:2000 STANDARD – FUNGICIDAL EFFECTIVENESS</p> <p>UNI EN 14476:2007 STANDARD – VIRUCIDAL EFFECTIVENESS</p> <p>UNI EN 14348:2005 STANDARD – TUBERCOLICIDE EFFECTIVENESS</p>						
CHEMICAL COMPOSITION	<table border="0"> <tr> <td>0,6% Plurasolv PnB (Propyl. Glycol N-butyl Ether)</td> <td>10% Mixal 23 (Isopropanol/Ethanol)</td> </tr> <tr> <td>1,12% Bardac 22 - Lonza (DDCA 50%)</td> <td>0,1% Citric Acid/Citrate q.s. pH 7</td> </tr> <tr> <td>0,05% SILIC. SE 9 (if needed)</td> <td>0,1% Perfume "Fiesta di Fiori"</td> </tr> </table>	0,6% Plurasolv PnB (Propyl. Glycol N-butyl Ether)	10% Mixal 23 (Isopropanol/Ethanol)	1,12% Bardac 22 - Lonza (DDCA 50%)	0,1% Citric Acid/Citrate q.s. pH 7	0,05% SILIC. SE 9 (if needed)	0,1% Perfume "Fiesta di Fiori"
0,6% Plurasolv PnB (Propyl. Glycol N-butyl Ether)	10% Mixal 23 (Isopropanol/Ethanol)						
1,12% Bardac 22 - Lonza (DDCA 50%)	0,1% Citric Acid/Citrate q.s. pH 7						
0,05% SILIC. SE 9 (if needed)	0,1% Perfume "Fiesta di Fiori"						
CHEMICAL-PHYSICAL CHARACTERISTICS	PH (as it is) 7 ± 0.5						
	DENSITY AT + 20 °C (g/cm ³) 0.970 ± 0.005						
	ASPECT AND COLOUR COLOURLESS LIQUID						
	ODOUR Flower-scented perfume						
	BOILING POINT n.a.						
	REFRACTION INDEX (R.I.) 1.341 ± 0.005						
	SOLUBILITY IN WATER Complete						
PERFORMANCES	<p>EFFECTIVE AGAINST :</p> <ul style="list-style-type: none"> - BACTERIA (STAPHYLOCOCCUS AUREUS , PSEUDOMONAS AERUGINOSA ENTEROCOCCUS HIRAE, ESCHERICHIA COLI), AND - FUNGI (CANDIDA ALBICANS, ASPERGILLUS NIGER), - VIRUSES (POLIOVIRUS TYPE 1, ADENOVIRUS TYPE 5), - MYCOBACTERIA (MYCOBACTERIUM TERRAE) 						
INSTRUCTIONS FOR USE	READY-TO-USE SOLUTION FOR SPRAY AND WIPE.						
SHELF LIFE	5 YEARS FROM PREPARATION DATE (IN ORIGINAL CONTAINER)						
STORAGE CONDITIONS	AVOID DIRECT SUNLIGHT						
FLAMMABILITY	> 60 °C						

MAGNOLIA s.r.l. LABORATORY	PRODUCT DATA SHEET	ST-04 REV.5	
		date	21/02/2011
		PAGE	2 of 2

DANGER WARNING	//	
DANGER LABELLING	//	
BIODEGRADABILITY OF COMPONENTS	ALL THE COMPONENTS ARE CLASSIFIED AS "EASILY DEGRADABLE"	
UNIT CONTAINER	Pack characteristics	500 ML PE BOTTLE
	Shape	ERGONOMIC
	Weight (empty container) (g)	52 (with screw cap) + 22 (spray dispenser)
	Weight (content) (g)	485
	Label (g)	PE , WORK-AND-TURN PRINTING APPROX. 2 G
MULTI-UNIT CONTAINER	Pack characteristics	CORRUGATED QUADRICOLOUR PRINTED CARTON WITH HANDLE
	Carton dimensions (mm)	205 X 110 X 230
	Content	NO. 4 X 500 ML BOTTLES + 1 SPRAY DISPENSER
	Total Weight (kg)	0.168 + (0.538) X 4 + 0.022 = 2.342
PALLETIZATION LAYOUT		
1st - 3rd - 5th Layer (35 CARTONS/LAYER)		

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15					
16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35

2nd - 4th Layer (35 CARTONS/LAYER)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25					
26	27	28	29	30	31	32	33	34	35

MAGNOLIA s.r.l. LABORATORY	PRODUCT DATA SHEET	ST-04 REV.2	
		date	22/02/2011
		PAGE	1 of 2

ECO-JET 1 REFILL		
INTENDED USE	HIGH-LEVEL SPRAY DISINFECTANT FOR SURFACES	
STANDARDS AND REGULATIONS APPLICABLE TO THE PRODUCT	GOV.DEC. 65 14/03/2003	DANG. PROD. LABELLING AND FURTHER MODIF. AND INTEGR.
	REG. 93/2	AND FURTHER MODIF. AND INTEGR.
	UNI CEI EN ISO 14971:2009	RISKS MANAG.
	UNI EN ISO 13485:2004	
	ITALIAN LAW 690 25/10/78	AND FURTHER MODIF. AND INTEGR.
	UNI EN 980:2009	
CE OFFICIAL EFFECTIVENESS TESTS	prEN 13713:1999 – UNI EN 13697:2006 STANDARD – BACTERICIDAL EFFECTIVENESS UNI EN 13697:2006– UNI EN 1650:2008 STANDARD – FUNGICIDAL EFFECTIVENESS UNI EN 14476:2007 STANDARD – VIRUCIDAL EFFECTIVENESS UNI EN 14348:2005 STANDARD – TUBERCOLICIDE EFFECTIVENESS	
CHEMICAL COMPOSITION	0.6% Plurasolv PnB (Propyl. Glycol N-butyl Ether) 1.12% Bardac 22 - Lonza (DDCA 50%) 0.05% SILIC. SE 9 (if needed)	10% Mixal 23 (Isopropanol/Ethanol) 0.1% Citric Acid/Citrate q.s. pH 7 0.1% Perfume “Fiesta di Fiori”
CHEMICAL-PHYSICAL CHARACTERISTICS	pH (as it is)	7 ± 0.5
	DENSITY AT + 20 °C (g/cm ³)	0.970 ± 0.005
	ASPECT AND COLOUR	COLOURLESS LIQUID
	ODOUR	Flower-scented perfume
	BOILING POINT	n.a.
	REFRACTION INDEX (R.I.)	1.341 ± 0.005
	SOLUBILITY IN WATER	Complete
PERFORMANCES	EFFECTIVE AGAINST : - BACTERIA (STAPHYLOCOCCUS AUREUS, PSEUDOMONAS AERUGINOSA ENTEROCOCCUS HIRAE, ESCHERICHIA COLI), AND - FUNGI (CANDIDA ALBICANS, ASPERGILLUS NIGER), - VIRUSES (HBV, HCV,HIV), - MYCOBACTERIA (MYCOBACTERIUM TERRAE)	
INSTRUCTIONS FOR USE	BEFORE USE REMOVE THE CAP AND REPLACE IT WITH THE TAP. LAY THE TANK ON THE FRONT SIDE SO THAT THE LIQUID CAN FLOW THROUGH TAP AND FILL THE EMPTY BOTTLE OF ECO-JET 1 SPRAY. CLOSE THE TAP AND POSSIBLY PUT THE TANK BACK UP. DON'T REMOVE THE TAP TO BE USED FOR THE FUTURE OPERATIONS.	
SHELF LIFE	5 YEARS FROM PREPARATION DATE (IN ORIGINAL CONTAINER)	
STORAGE CONDITIONS	AVOID DIRECT SUNLIGHT – TEMPERATURE < 50 °C	
FLAMMABILITY	> 60 °C	

MAGNOLIA s.r.l. LABORATORY	PRODUCT DATA SHEET	ST-04 REV.2	
		date	22/02/2011
		PAGE	2 of 2

DANGER WARNING	//	
DANGER LABELLING	//	
BIODEGRADABILITY OF COMPONENTS	ALL THE COMPONENTS ARE CLASSIFIED AS "EASILY DEGRADABLE"	
UNIT CONTAINER	Pack characteristics	5 L PE BOTTLE
	Shape	RECTANGULAR
	Weight (empty container) (g)	260 (with screw cap) + 16 (tap)
	Weight (content) (g)	4850
	Label (g)	PE , WORK-AND-TURN PRINTING APPROX. 2 G
MULTI-UNIT CONTAINER	Pack characteristics	//
	Carton dimensions (mm)	//
	Content	//
	Total Weight (kg)	5.126