

Safety Data Sheet dated 18/02/2013, version 1

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

Trade name: Puli Jet Plus New
Trade code: 045020 (060900 Cattani code)
Product type and use: Detergent disinfectant for dental vacuum systems.

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:

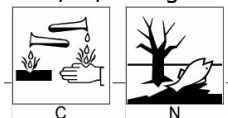
Dr. E. Marcolini – Tel. +39 (0)521 538804 / e-mail: info.magnolia@cattani.it

2. HAZARDS IDENTIFICATION

The product is classified as harmful
European Parliament (CLP) (CE) 1272/2008 Regulation Classification
H312 - Harmful in contact with skin
H302 - Harmful if swallowed
H318 - Causes severe eye damage
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life



1999/45/CE regulation Classification



Contains:

chlorocresol
2-benzyl-4-chlorophenol
sodium hydroxyde
R21/22- Harmful in contact with skin and if swallowed
R34 - Causes burns
R41 - Risk of serious damage to eyes
R43 - May cause sensitization by skin contact
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Keep out of reach of children .

P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product. .
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves /eye protection.

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water..
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. . COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances : N.A.

3.2. Mixture:

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

15% - 20% 1-methoxy-2-propanol

No.67/548/CEE: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1

R10; substance with a Community workplace exposure limit

1-METHOXY-2-PROPANO; (ce) REGISTRATION NO. : 01-2119457435-35 ; CAS NO. : 107-98-2 CE NO. : 203-539-1 ; INDEX NO. :603-064-00-3

Regulation (EC) no. 1272/2008 (CLP)

Hazard pictogram

Flame (GHS02) > Exclamation mark (GHS07)

Precautions

Warning

Indications of danger

H226 Flammable liquid and vapour..

H336 May cause drowsiness or dizziness.



10% - 12.5% Chlorocresol

No.67/548/CEE: 604-014-00-3 CAS: 59-50-7 EC: 200-431-6

Xn,Xi,N; R21/22-41-43-50

Regulation (EC) no. 1272/2008 (CLP)

Acute Tox. 4, H302; Skin Sens. 1,

H317; Eye Dam. 1, H318; Aquatic

Acute 1, H400



5% - 7% 2-benzyl-4-chlorophenol

CAS: 120-32-1 EC: 204-385-8

Xi,C,N; R34-41-50-53

Regulation (EC) no. 1272/2008 (CLP)

Carc. 2 H351, Acute Tox. 4 H302, STOT SE 3 H335,

Skin Irrit. 2 H315, Eye Dam. 1 H318



3% - 5% NTA- trisodium nitrilotriacetic acid

Xi; R36/38

Regulation (EC) no. 1272/2008 (CLP)

Trisodium nitrilotriacetate; registration no. (EC) : 01-2119519239-36 ; No. EC : 225-768-6; No. CAS : 5064-31-3

Classification 67/548/EEC : Canc. Cat.3 ; R40 Xn ; R22 Xi ; R36

Classification 1272/2008 (CLP) : Carc. 2 ; H351 Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319



3% - 5% Sodium hydroxyde

No.67/548/EEC: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5

Classification 67/548/CEE : C ; R35

Classification 1272/2008 (CLP) : Skin Corr. 1A ; H314



1% - 3% Citrico perfume

Xn,Xi,N; R10-38-43-51-53-65



(R) -P-MINT-1,8-DIENE

CAS. 5989-27-5 30 - 50 R10, Xi R38, Xi R43, N R50/53,

Classification 1272/2008 (CLP) :

Skin Corr. 1A ; H314

H226, Skin Irrit. 2 H315, Skin Sens. 1 H317,

Aquatic Acute 1 H400, Aquatic Chronic 1 H410, Nota C

EC. 227-813-5

INDEX. 601-029-00-7

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

15% - 20% 1-methoxy-2-propanol

N.67/548/CEE: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1

R10; substance with a Community workplace exposure limit

10% - 12.5% 4-Chloro-3-Methylphenol

N.67/548/CEE: 604-014-00-3 CAS: 59-50-7 EC: 200-431-6

Xn,Xi,N; R21/22-41-43-50

5% - 7% 2-Benzyl-4-Chlorophenol

CAS: 120-32-1 EC: 204-385-8

Xi,C,N; R34-41-50-53

3% - 5% NTA- Acido nitrilotriacetico trisodico

CAS:5064-31-3

Xi; R36/38

3% - 5% sodium hydroxide

N.67/548/CEE: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5

C; R35

1% - 3% perfume

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Xn,Xi,N; R10-38-43-51-53-65

1% - 3% Poly(oxy-1,2-ethanediol)-phenyl-hydroxy phosphate
CAS: 39464-70-5
C; R34

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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

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.

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Give 1 pint of milk or water to drink. Give repeated drinks of water (one capful) every 10 minutes.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. 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 a mask, 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:

Rapidly recover the product. To do so, wear a mask and protective clothing.

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. See, too, paragraph 8 below.

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:

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

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Eye protection:

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

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):

1-methoxy-2-propanol

VLE 8h: 375 mg/m³ - 100 ppm VLE short: 568 mg/m³ - 150 ppm TLV TWA: 100 ppm - 368,59 mg/m³ TLV

STEL: 150 ppm - 552,88 mg/m³

sodium hydroxide

TLV STEL: C 1,22 ppm - C 2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	amber liquid
Odour:	typical phenolic
pH:	about 12
Flash point:	> 100 °C
Relative density:	1,095 g/cm ³

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

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.

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.

1-methoxy-2-propanol

LD50 (RABBIT) ORAL: 8 G/KG (8000 MG/KG)

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:

10% - 12.5% 4-Chloro-3-Methylphenol

N.67/548/CEE: 604-014-00-3 CAS: 59-50-7 EC: 200-431-6

R50 Very toxic to aquatic organisms.

5% - 7% 2-Benzyl-4-Chlorophenol

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

1% - 3% Perfume

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

14. TRANSPORT INFORMATION

DISINFECTANT, LIQUID, CORROSIVE N.O.S. (CHLOROCRESOL – SODIUM SALT UN No. 1759)

UN No..... 1903

Class 8

Classification code C9

Label 8

Packing group III

Transport: ADR exemption for limited quantities.

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).

Symbols:

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C Corrosive
N Dangerous for the environment

R Phrases:

R21/22 Harmful in contact with skin and if swallowed.
R34 Causes burns.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S56 Dispose of this material and its container to hazardous or special waste collection point.
S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.

Contents:

4-Chloro-3-Methylphenol
2-Benzyl-4-Chlorophenol
Sodium hydroxide
Perfume

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:

R10 Flammable.
R21/22 Harmful in contact with skin and if swallowed.
R34 Causes burns.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

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.

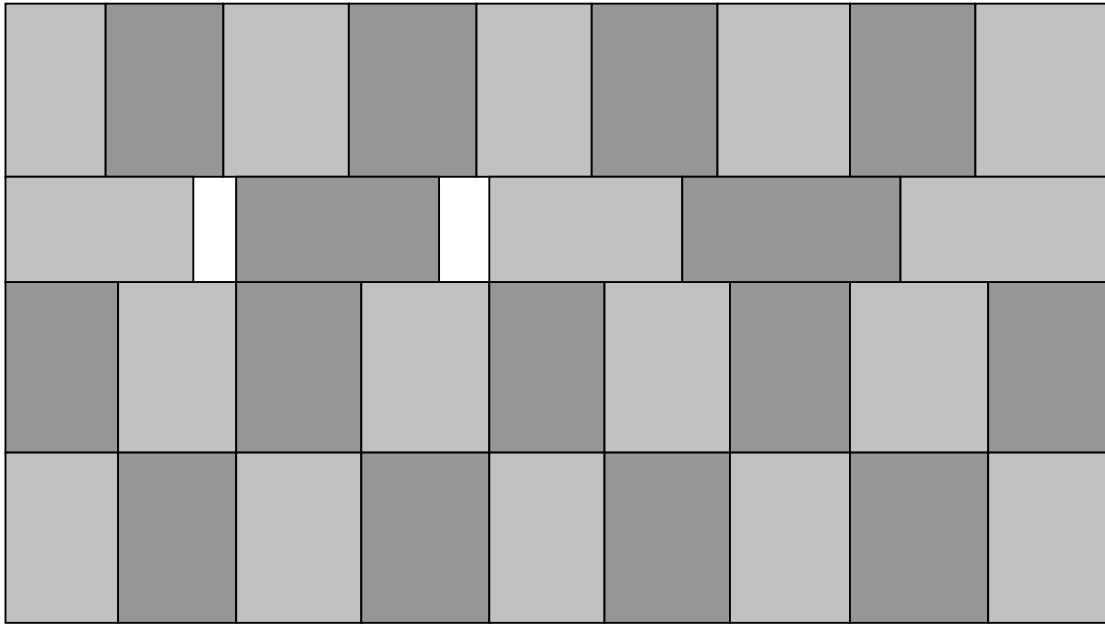
MAGNOLIA SRL LABORATORY	PRODUCT DATA SHEET		ST-01 REV.3	
			date	03/03/2010
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PULI-JET PLUS DISINFECTANT				
INTENDED USE	DETERGENT DISINFECTANT FOR DENTAL ASPIRATORS			
STANDARDS AND REGULATIONS APPLICABLE TO THE PRODUCT	EC REG.1272/2008	CLASSIFICATION AND LABELLING OF DANGEROUS SUBSTANCES AND FURTHER MODIF. AND INTEGR		
	REG. 93/42/EC	AND FURTHER MODIF. AND INTEGR		
	UNI CEI EN ISO 14971:2009	RISKS MANAG.		
	UNI EN 980:2009	GRAPHICAL SYMBOLS		
	GOV. DEC. 81/2008	SAFETY AND HEALTH PROTECTION AT WORK AND FURTHER MODIF. AND INTEGR		
	UNI EN ISO 13485:2004	REQUIREMENTS		
OFFICIAL EC EFFECTIVENESS TESTS	STANDARD UNI EN 13727:2004-BACTERICIDAL EFFECTIVENESS STANDARD UNI EN 13624:2004-FUNGICIDAL EFFECTIVENESS (BIOLAB TEST REPORT AM 748 DTD 24/04/2003) STANDARD UNI EN 14476:2007-VIRUCIDAL EFFECTIVENESS (BIOLAB TEST REPORT SAM1573 DTD 26/08/2003) STANDARD UNI EN 14348:2005-TUBERCULICIDE EFFECTIVENESS (BIOLAB TEST REPORT SAM1574 DTD 22/10/2003)			
CHEMICAL COMPOSITION	2.5% 2-BENZYL-4-CHLOROPHENOL 10% 4-CHLORO-3-ETHYLPHENATE Na 6.25% O-PHENILPHENATE 2.5% PHENOL	3.75% EDTA TETRA 1 % PERFUME 1 % PPE 15% 1-METHOXY-2-PROPANOL 3.3% NaOH		
CHEMICAL-PHYSICAL CHARACTERISTICS	pH (as it is)		12 ± 0.2	
	DENSITY AT + 20°C (g/cm ³)		1.09 ± 0.005	
	ASPECT AND COLOUR		AMBER-RED	
	ODOUR		TYPICAL phenolic	
	BOILING POINT		n.a.	
	REFRACTION INDEX (R.I.)		1.410 ± 0.005	
	SOLUBILITY IN WATER		Complete, milky	
PERFORMANCES	EFFECTIVE AGAINST : - BACTERIA (STAPHYLOCOCCUS AUREUS, PSEUDOMONAS AERUGINOSA, ENTEROCOCCUS HIRAE), AND - FUNGI (CANDIDA ALBICANS, ASPERGILLUS NIGER) - VIRUSES (POLIOVIRUS TYPE 1, ADENOVIRUS TYPE 5) - MYCOBACTERIA (MYCOBACTERIUM TERRAE)			
INSTRUCTION FOR USE	SOLUBILIZE AT 0.8% IN HOT WATER (+ 40-50 °C) AND ASPIRATE THROUGH THE EQUIPMENT (BY MEANS OF THE PULSE CLEANER			
SHELF LIFE	3 YEARS FROM PREPARATION (IN ORIGINAL CONTAINER)			
STORAGE CONDITIONS	NONE IN PARTICULAR			
FLAMMABILITY	> +100 °C (= NON-FLAMMABLE)			

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DANGER WARNING	C corrosive	
DANGER LABELLING	R34 – R41 – R21/22 – R43 – R52/53 S 26 – S28 – S 45 – S60 – S61 – S36/37/39	
BIODEGRADABILITY OF COMPONENTS	ALL THE COMPONENTS ARE CLASSIFIED AS “EASILY DEGRADABLE” APART FROM: O-PHENILPHENOL DEGRADABLE EDTA TETRA SODIUM.....NOT EASILY DEGRADABLE	
UNIT CONTAINER	Pack characteristics	1000 ML HDPE PLASTIVALLE BOTTLE – OUR CODE 201001 + CAP + 10 ML DISPENSER C457/C458 ZELLER PLASTIK ITALIA SRL ITEM 3.K555.99BA (OUR CODE 203001)
	Dimensions (mm)	270 X 100 X 60
	Weight (empty bottle+doser cap) (g)	79 ± 1
	Weight (content+bottle) (g)	MINIMUM 1,170
	Label	PE , WORK-AND-TURN PRINTING
MULTI-UNIT CONTAINER	Pack characteristics	CODE 303005 – CORRUGATED QUADRICOLOUR PRINTED CARTON
	Dimensions(carton)(mm)	215X135X290 H
	Content	NO. 4 1,000 ML BOTTLES
	Weight (kg)	4.926

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PALLETIZATION LAYOUT
(for EUROPALLET : from <u>128</u> CARTONS / no. <u>4</u> LAYERS / HEIGHT 160 CM)
1st – 3rd Layer (32 cartons)



2nd – 4th Layer (32 cartons)

