



Safety Data Sheet dated 5/9/2007, version 1

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

Trade name: Puli Jet Plus disinfectant
Trade code: 041001 (040750 Cattani code)
Product type and use: Detergent disinfectant for dental vacuum systems.

Company:

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Person in charge of the safety data sheet:

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2. HAZARDS IDENTIFICATION

The product is harmful following acute exposure to it and poses a serious health threat if ingested or brought into contact with the skin.

The product is corrosive and, if brought into contact with the skin, causes burning, with the destruction of the entire thickness of skin tissue.

If brought into contact with the skin, the product may cause sensitisation of the skin.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

- 15% 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
- 8,6% chlorocresol
N.67/548/CEE: 604-014-00-3 CAS: 59-50-7 EC: 200-431-6
Xn,Xi,N; R21/22-41-43-50
- 5,5% biphenyl-2-ol
N.67/548/CEE: 604-020-00-6 CAS: 90-43-7 EC: 201-993-5
Xi,N; R36/37/38-50
- 3,75% EDTA
CAS: 60-00-4
Xn,Xi; R22-36/38
- 3,3% sodium hydroxide
N.67/548/CEE: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5
C; R35
- 2,5% 2-benzil-4-cloro fenolo
CAS: 120-32-1
Xi,C,N; R34-41-50-53
- 2,5% phenol
N.67/548/CEE: 604-001-00-2 CAS: 108-95-2 EC: 203-632-7
T,C; R24/25-34
- 1% Perfume (Top Clean Strong)
Xn,Xi,N; R10-38-43-51-53-65-68
- 1% 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.
After contact with skin, wash immediately with plenty of water.
OBTAIN IMMEDIATE MEDICAL ATTENTION.

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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 water with albumen; do not give bicarbonate.

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. See, too, paragraph 10 below.

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.

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

phenol

VLE 8h: 7,8 mg/m³ - 2 ppm TLV TWA: 5 ppm, A4 - 19,25 mg/m³, A4 Skin TLV STEL: A4 Skin

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/cm³

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)

phenol

LD50 (RAT) SKIN: 669 MG/KG
LD50 (RABBIT) SKIN: 850 MG/KG
LD50 (RAT) ORAL: 440 - 450 MG/KG BW
LD50 (RABBIT) ORAL: 420MG/KG BW
LD50 (RABBIT) SKIN:1400 MG/KG BW

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:

7% - 10% chlorocresol

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

R50 Very toxic to aquatic organisms.

5% - 7% biphenyl-2-ol

N.67/548/CEE: 604-020-00-6 CAS: 90-43-7 EC: 201-993-5

R50 Very toxic to aquatic organisms.

1% - 3% 2-benzil-4-cloro fenolo

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

CORROSIVE LIQUID, N.O.S.

ONU No..... 1760

Class 8

Classification code C9

Label t8

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:

C Corrosive

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R Phrases:

- R21/22 Harmful in contact with skin and if swallowed.
- R34 Causes burns.
- 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.
- S28 After contact with skin, wash immediately with plenty of water.
- 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.

Contents:

chlorocresol
sodium hydroxide
phenol
Top Clean Strong

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.
- R22 Harmful if swallowed.
- R24/25 Toxic in contact with skin and if swallowed.
- R34 Causes burns.
- R35 Causes severe burns.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- 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.
- R68 Possible risk of irreversible effects.

Paragraphs modified regarding the previous review:

15. REGULATORY INFORMATION

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.
