






Safety Data Sheet dated 10/04/2020, version 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier
Trade name: PLURISAN
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Bactericidal deodorant for environmental use. Any other use is not permitted.
- 1.3. Details of the supplier of the safety data sheet
Supplier:
COPYR S.p.A.
Italia, Milano, Via Stephenson, 73 - ph: +39 02 390368.1
Competent person responsible for the safety data sheet:
info.sds@copyr.it
- 1.4. Emergency telephone number
Malta: Emergency number: 112
UK: NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP):
 -  Danger, Skin Corr. 1C, Causes severe skin burns and eye damage.
 -  Danger, Eye Dam. 1, Causes serious eye damage.
 -  Aquatic Acute 1, Very toxic to aquatic life.

Adverse physicochemical, human health and environmental effects:
No other hazards.

- 2.2. Label elements
Hazard pictograms:



Danger

Hazard statements:

- H314 Causes severe skin burns and eye damage.
 - H410 Very toxic to aquatic life with long lasting effects.
- Precautionary statements:
- P101 If medical advice is needed, have product container or label at hand.
 - P102 Keep out of reach of children.
 - P273 Avoid release to the environment.
 - P280 Wear protective gloves/ protective clothing/eye protection/face protection.
 - P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or take a shower.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER/doctor.

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P501 Dispose of container in accordance with in accordance with local/ regional/ national/international regulation.

Special Provisions:

-

Contains:

Quaternary ammonium chloride, benzyl (C12-C14) -alkyldimethyl

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards.

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

1-12 % Quaternary ammonium chloride, benzyl (C12-C14) -alkyldimethyl

EC: 939-350-2, N. Reg. REACH : 01-2119970550-39-0000



3.1/4/Oral Acute Tox. 4 H302



3.2/1C Skin Corr. 1C H314



4.1/A1 Aquatic Acute 1 H400 M = 10



4.1/B1 Aquatic Chronic 1 H410 M (cronico)= 1

< 1 % Ethanol

Index Number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6



2.6/2 Flam. Liq. 2 H225

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately.

Wash immediately with plenty of running water and possibly soap the areas of the body that came into contact with the product, even if only suspicious.

OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Wash the body completely (take a shower or a bath).

Remove contaminated clothing immediately and dispose of it safely.

In case of contact with the skin, wash immediately with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water for an appropriate period of time and keep the eyelids open, then seek medical advice.

Protect the uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting.



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In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, consult a doctor immediately (if possible show instructions for use or safety data sheet).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

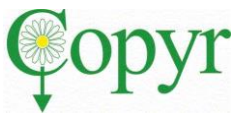
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities



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Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol - CAS: 64-17-5

TLV-TWA – ppm 1000 A4

TLV-STEL – A4

DNEL Exposure Limit Values

component	route of exposure	Workers				Consumers			
		Long term exposure		Short term exposure		Long term exposure		Short term exposure	
		Effetti Sistemici	Effetti Locali	Effetti Sistemici	Effetti Locali	Effetti Sistemici	Effetti Locali	Effetti Sistemici	Effetti Locali
Cloruro di ammonio quaternario, benzil (C12-C14)-alchil dimetil	Oral (mg/kg bw/day)	5.7	-	-	-	3.4	-	-	-
	Dermal (mg/kg bw/day)	-	-	-	-	3.4	-	-	-
	Inalation (mg/m ³)	3.96	-	-	-	1.64	-	-	-

PNEC Exposure Limit Values

Quaternary ammonium chloride, benzyl (C12-C14) -alkyldimethyl N. Reg. REACH :

01-2119970550-39-0000

PNEC							
Soft water	Sea water	Water (intermittent releases)	sludge treatment plants	Soft water sediments	Sea water sediments	Soil	Predators (Secondary poisoning)
0.100 mg/L	0.001 mg/L	-	0.4 mg/L	12.27 mg/kg sediment	13.09 mg/kg sediment	7 mg/kg suolo	-

8.2. Exposure controls

Eye protection:

Wear closed safety visors, do not use eye lenses.

Protection for skin:

Wear clothing that guarantees total protection for the skin, eg in cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that guarantee total protection, eg in PVC, neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Colorless liquid	--	--
Odour:	pine-like	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.		
Oxidizing properties:	N.A.		

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - None in particular.
- 10.6. Hazardous decomposition products
 - None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

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

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE - CAS: 68

a) Aquatic toxicity:

Endpoint: EC50 - Species: Fish = 0.28 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 0.0552 mg/l - Duration h: 48

12.2. Persistence and degradability

None

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

SECTION 14: Transport information

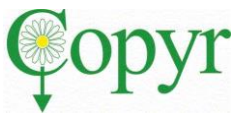
14.1. UN number

UN 1760



14.2. proper shipping name

ADR / RID: UN 1760 CORROSIVE LIQUID, N.O.S. (benzalkonium chloride) environmentally



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hazardous
IMDG / IMO: UN 1760 CORROSIVE LIQUID, N.O.S. (benzalkonium chloride) environmentally hazardous
ICAO / IATA: UN 1760 CORROSIVE LIQUID, N.O.S. (benzalkonium chloride) environmentally hazardous

14.3. Transport hazard classes
Class: 8

14.4. Packing group
PG III

14.5. Environmental hazards
No

14.6. Special precautions for user
ADR: Limited quantities (ADR 1.1.3.6): 5L
IMDG/IMO: danger:N° EmS: F-A, S-B
Marine pollutant: P
ICAO/IATA
Erg code : 8L
Passenger Aircraft (Instr./Quant.): 825/5L
Cargo Aircraft (Instr./Quant.): 856/60L
Limited Quantity (Instr./Quant.): Y841/1 L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Leg.Decree 14/03/2003 n.65 (Classification, packaging and labelling of dangerous preparations)
Leg.Decree 9/4/2008 n.81
D.M. Work 26/02/2004 (Occupational exposure limit values)
D.M. 03/04/2007 (attuation Directive 2006/8/EC)
Regulation (EC) n. 1907/2006 (REACH) and subsequent amendments
Regulation (EC) n. 1272/2008 (CLP) and subsequent amendments
Regulation (EU) 2015/830

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None

Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

15.2. Chemical safety assessment
No

SECTION 16: Other information

Text of phrases referred to under heading 3:
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.



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H312 Harmful in contact with skin
H400 Very toxic to aquatic life.
H315 Causes skin irritation
H411 Toxic to aquatic life with long lasting effects
H225 Highly flammable liquid and vapour
This sheet has been revised in all its sections in accordance with Regulation (EU) n. 830/2015.

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

ECB - ESIS (European chemical Substances Information System).

CCNL - Appendix 1 "TLV for 1989-90"

Istituto Superiore di Sanità – Inventario Nazionale Sostanze Chimiche

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.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.