



Safety Data Sheet Purus Pro Bio630 Fogging Solution

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

Product Identifier

Product Name	Purus Pro Bio630 Fogging Solution
Product Number	PPBI00017
Brand	Purus Pro - Bio630

Relevant identified uses of the substance or mixture and uses advised against

This is a fogging solution product that is safe for consumers and other users under normal and reasonably foreseeable use. While the product is not considered hazardous, this SDS contains valuable information for safe handling use and any large spills and exposures. Ideal for infection control in prevention and control of bacteria.

Details of the supplier of the safety data sheet

Name	Chespack Hygiene
Address	Crows Nest Business Centre Tattenhall Road Tattenhall CH3 9BD
Telephone	+44(0)1829 773 015
Fax	-
Email	sales@chespackhygiene.com
Emergency Telephone Number	+44(0)1829 773 015

SECTION 2: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Safety Data Sheet

Purus Pro Bio630 Hard Surface Cleaner

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2009 on classification, labelling and packaging of substances and mixtures.

Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Other Hazards

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

SECTION 3: Composition/information on ingredients

Mixtures

Components

1. Benzalkonium Chloride

Concentration	0.6 - 0.8 % (weight)
EC no.	270-325-2
CAS no.	68424-85-1

- Acute toxicity, dermal, Cat. 3
- Acute toxicity, oral, Cat. 3
- Eye damage/irritation, Cat. 1
- Hazardous to the aquatic environment - acute hazard, Cat. 1
- Skin corrosion/irritation, Cat. 1C

H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H400	Very toxic to aquatic life



2. Didecyldimonium

Concentration	0.2 - 0.4 % (weight)
EC no.	230-525-2
CAS no.	612-131-00-6

- Acute toxicity, oral, Cat. 3
- Eye damage/irritation, Cat. 1
- Hazardous to the aquatic environment - acute hazard, Cat. 1
- Hazardous to the aquatic environment - long-term hazard, Cat. 2
- Skin corrosion/irritation, Cat. 1B

H301	Toxic if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

3. Sodium ethylhexyl sulfate

Concentration	0.2 - 0.4 % (weight)
EC no.	126-92-1

H315	Causes skin irritation
H318	Causes serious eye irritation

4. Amine Oxides

Concentration	0.2 - 0.4 % (weight)
EC no.	931-292-6
CAS no.	308062-28-4

H315	Causes skin irritation
H318	Causes serious eye damage

SECTION 4: First Aid Measures

Description of first aid measures

General Notes	Use common sense when using this product
Following inhalation	Call a poison centre or doctor if you feel unwell. If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
Following skin contact	N/A

Refer to next page for more first aid measures

Following eye contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention/advice.

Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Following ingestion Call a poison centre or doctor if feeling unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5: Firefighting Measures

Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special hazards arising from the substance or mixture

None known

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Vapours may form explosive mixtures with air. Flammable liquid and vapor. Cool containers with flooding quantities of water until well after the fire is out. Vapours are heavier than air and may travel to a source of ignition and flash back.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Use personal protective equipment. Avoid breathing mist, vapours and spray. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and material for containment and cleaning up

Sand/Absorbent foam

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and Storage

Precautions for safe handling

Do not swallow this product. Do not get the product in your eyes. See Section 8 for information on Personal Protective Equipment. Avoid inhalation of vapor or mist.

Conditions for safe storage, including incompatibilities

Keep container tightly closed

Specific end use(s)

Sanitiser

SECTION 8: Exposure Controls/Personal Protection

Control Parameters

Exposure Controls

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protection Equipment

Eye and face protection

To protect your eyes/face (e.g., if responding to a large spill), wear safety glasses. Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Skin protection

When fogging, to protect your hands, wear protective gloves (rubber, chemical resistant). Consult manufacturer specifications for further information. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry your hands.

Body protection

To protect your skin (e.g., if responding to a large spill), wear protective clothing. The clothing should be impervious, flame retardant and antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows respirators are appropriate - MUST be worn at all times and the respirator specification must meet EN149:2001+A1:2009FFP3.

Thermal Hazards

No data available.

Environmental Exposure Controls

Prevent further leakage or spillage if it is safe to do so. Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

Information On Basic Physical And Chemical Properties

Appearance	Clear Liquid
Odour	Light
Odour Threshold	No data available
pH	7.0
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash Point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.000
Solubilit(ies)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

Other information

No data available.

SECTION 10: Stability and Reactivity

Reactivity

Stable under recommended storage conditions.

Chemical Stability

Stable under normal storage conditions.

Posibility of Hazardous Reactions

No data available

Conditions To Avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials

Strong oxidizing agents, Strong reducing agents, Strong bases, Peroxides, Halogenated compounds, Alkali metals, Amines. Strong acids, Chlorine, aldehydes

Incompatible Materials

N/A

SECTION 11: Toxicological Information

Information on toxicological effects

Acute Toxicity

Components:

Likely Routes of Exposure: Eye Contact. Skin Contact. Inhalation. Ingestion.

Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

Skin Corrosion/Irritation

Not expected from normal use. Discontinue use if you experience any skin irritation and seek medical advice if condition persists.

Serious Eye Damage/Irritation

Causes serious eye irritation.

May cause eye irritation

Not expected for normal use. Discontinue use if you experience an eye irritation.

Respiratory or Skin Sensitization

Not expected from normal use. Discontinue use if you experience any irritation or sensitization.

Germ Cell Mutagenicity

No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity

No data available

Summary Of Evaluation Of The CMR Properties

No data available

STOT - Single Exposure

May cause drowsiness or dizziness

STOT - Repeated Exposure

No data available

Aspiration Hazard

No data available

Information on toxicological effects

Additional Information

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: From NIH:
mouse LD50 intraperitoneal 200mg/kg (200mg/kg) U.S. Army, Environmental Hygiene Agency Reports. Vol. 5177T7-66/1967,

mouse LD50 oral 919mg/kg (919 mg/kg) U.S. Army, Environmental Hygiene Agency Reports. Vol. 5177T7-66/1967,
rat LD50 intraperitoneal 100mg/kg (100 mg/kg) U.S. Army, Environmental Hygiene Agency Reports. Vol. 5177T7-66/1967,

rat LD50 oral 426mg/kg (426 mg/kg) U.S. Army, Environmental Hygiene Agency Reports. Vol.

Didecyldimethylammonium chloride: From NIH:

guinea pig LDLo intraperitoneal 7mg/kg (7 mg/kg) BEHAVIORAL: CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD.

LUNGS, THORAX, OR RESPIRATION: OTHER CHANGES National Technical Information Service. Vol. AD867-663,
mouse LD50 intraperitoneal 11mg/kg (11 mg/kg) BEHAVIORAL: MUSCLE WEAKNESS National Technical Information Service. Vol. AD867-663,

mouse LD50 oral 268mg/kg (268 mg/kg) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) National Technical Information Service. Vol. AD867-663,

rat LD50 intraperitoneal 45mg/kg (45 mg/kg) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY).

BEHAVIORAL: MUSCLE WEAKNESS National Technical Information Service. Vol. AD867-663,

rat LD50 oral 84mg/kg (84 mg/kg) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) National Technical Information Service. Vol. AD867-663,

SODIUM(2-ETHYLHEXYL)ALCOHOL SULFATE: *TOXICITY:

typ. dose mode specie amount units other

LD50 orl rat 4 gm/kg

LD50 ipr rat 320 mg/kg

LD50 scu rat 4730 mg/kg

LD50 orl mus 1550 mg/kg

LD50 orl rbt 3580 mg/kg

LD50 orl gpg 650 mg/kg

LDLo skn gpg 1520 mg/kg

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION:

THR: Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A skin and eye irritant.

*CARCINOGENICITY: Not available

*MUTATION DATA: Not available

*TERATOGENICITY: Not available



Information on toxicological effects

Additional Information

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

*OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

eye-rbt 250 ug MLD

skn-rbt 500 mg open MOD

Status: EPA TSCA Chemical Inventory, 1989

EPA TSCA Test Submission (TSCATS) Data Base, April 1990

SECTION 11: Ecological Information

Toxicity

No data available on product

Persistence and Degradability

No data available on product

Components:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: Readily biodegradable per Lonza study and OECD 302a . http://dissemination.echa.europa.eu/Biocides/ActiveSubstances/0063-08/Data_009.pdf

Didecyldimethylammonium chloride: Per ECHA profile (<https://echa.europa.eu/brief-profile/-/briefprofile/100.027.751>)

Readily biodegradable (100%)

Bioaccumulative Potential

No data available on product

Mobility In Soil:

No data available

Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other Adverse Effects:

No data available

SECTION 13: Disposal Considerations

Waste Treatment Methods

Disposal Of The Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal Of Contaminated Packaging

Dispose of as unused product

SECTION 14: Transport Information

UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class	None
Packing Group	None
Environmental Hazards	None
Special Precautions For User	None
Transport In Bulk According To Annex II Of MARPOL 73/78 And The IBC Code	None

SECTION 15: Regulatory Information

Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

2010/75/EU

Directive 2010/75/EU:

This product does not contain relevant amounts of "Volatile Organic Compounds" (VOC)

Canadian Domestic Substances List (DSL)

Chemical name: Sulfuric acid, mono(2-ethylhexyl) ester, sodium salt

CAS: 126-92-1

Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Further Information/Disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Chespack Hygiene be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Chespack Hygiene has been advised of the possibility of such damages.