SAFETY DATA SHEET

ProtoxDES

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

1.1. Product identifier

Trade name

ProtoxDES

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

Relevant identified uses of the substance or mixture

Biocide

▼Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

▼Company and address

Protox ApS
Fabriksvej 19
6000 Kolding
Denmark
+45 75 50 40 22

E-mail

info@protox.dk

SDS date

23/11/2022

SDS Version

2.0

Date of previous version

27/1/2022 (1.0)

1.4. Emergency telephone number

In an emergency call 000
In less severe situations call NSW Poisons Information Centre: 13 11 26 (Available 24/7 from anywhere in Australia)
See section 4 “First aid measures”.

SECTION 2: Hazards identification

This material is not considered hazardous by the Work Health and Safety Regulations.

2.1. Classification of the substance or mixture

2.2. Label elements

▼Hazard pictogram(s)

▼Signal word

Not applicable.

▼Hazard statement(s)

Not applicable.

Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

▼Hazardous substances

None known.

▼Additional labelling

Not applicable.

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Does not contain any substances required to report

3.2. ▼Mixtures

Not applicable. This product is a substance.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼Other information

None known.

SECTION 4: First aid measures

4.1. ▼Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

▼Burns

Not applicable.

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

None known.

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

None known.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. ▼Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. ▼Personal precautions, protective equipment and emergency procedures
No specific requirements.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.

6.3. ▼Methods and material for containment and cleaning up
Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. ▼Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities
Recommended storage material
Always store in containers of the same material as the original container.

Storage temperature
> 0°C

Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. ▼Control parameters
No substances are included in the list of workplace exposure standards for airborne contaminants as published by Safe Work Australia.

▼DNEL
No data available.

▼PNEC
No data available.

8.2. ▼Exposure controls
Control is unnecessary if the product is used as intended.

General recommendations
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios
There are no exposure scenarios implemented for this product.

Exposure limits
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures
Wash hands after use.

▼Measures to avoid environmental exposure
No specific requirements.

8.3. Individual protection measures, such as personal protective equipment

▼Generally
Use only CE marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
No specific			

Type	Class	Colour	Standards
requirements			

▼Skin protection

Recommended	Type/Category	Standards
No specific requirements.	-	-

▼Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No specific requirements	-	-	-

▼Eye protection

Type	Standards
No specific requirements	-

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form
Liquid

Colour
Colourless

Odour
Mild

▼Odour threshold (ppm)
Testing not relevant or not possible due to the nature of the product.

pH
6,5-7,5

Density (g/cm³)
1

Viscosity
Testing not relevant or not possible due to nature of the product.

Phase changes

▼Melting point (°C)
Testing not relevant or not possible due to the nature of the product.

▼Boiling point (°C)
100.1

Vapour pressure
Not applicable - inorganic material

Vapour density
Not applicable - inorganic material

▼Decomposition temperature (°C)
Testing not relevant or not possible due to the nature of the product.

Evaporation rate (n-butylacetate = 100)

Data on fire and explosion hazards

▼Flash point (°C)
Testing not relevant or not possible due to the nature of the product.

Ignition (°C)
Not applicable - inorganic material

Auto flammability (°C)
Not applicable - inorganic material

Explosion limits (% v/v)
Not applicable - product is a liquid

▼Explosive properties
Testing not relevant or not possible due to the nature of the product.

Oxidizing properties
Oxiderende

Solubility

▼Solubility in water
Completely soluble

n-octanol/water coefficient
Not applicable - inorganic material

Solubility in fat (g/L)
Not applicable - inorganic material

9.2. Other information

VOC (g/L)
0

SECTION 10: Stability and reactivity

10.1. ▼Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. ▼Possibility of hazardous reactions
None known.

10.4. ▼Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

▼Long term effects
None known.

SECTION 12: Ecological information

12.1. ▼Toxicity
No data available.

12.2. ▼Persistence and degradability
No data available.

12.3. ▼Bioaccumulative potential
No data available.
12.4. ▼Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
12.6. ▼Other adverse effects
None known.

SECTION 13: Disposal considerations

Waste treatment methods
Product is not covered by regulations on dangerous waste.
▼Specific labelling
Not applicable.
Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards
▼Additional information
Not dangerous goods according to ADR, IATA and IMDG.
14.6. ▼Special precautions for user
Not applicable.
14.7. ▼Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: Regulatory information

15.1. ▼Safety, health and environmental regulations/legislation specific for the substance or mixture
▼Restrictions for application
None known.
▼Demands for specific education
No specific requirements.
Control of major hazard facilities
Flammable Material / Treshold quantity: 200 tonnes
▼Additional information
Not applicable.
The Australian Inventory of Industrial Chemicals (AIIC)
None of the components are listed
▼Sources
National Standard for the Control of Major Hazard Facilities [NOHSC:1014(2002)].
Model Work Health and Safety Regulations as at 1 January 2021.
15.2. Chemical safety assessment
No

SECTION 16: Other information

▼The full text of identified uses as mentioned in section 1

None known.

▼Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail
AICIS = Australian Industrial Chemicals Introduction Scheme
AIIC = Australian Inventory of Industrial Chemicals
AS = Australian Standard
AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
AUH = Hazard statements specific for Australia
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (""Marpol"" = marine pollution)
NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHS = Work Health and Safety Regulations

Additional information

No substances are included in the list of workplace exposure standards for airborne contaminants as published by Safe Work Australia.
A safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

▼The safety data sheet is validated by

HMJ

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: AU-en