



SAFETY DATA SHEET
POLAR LOW TEMPERATURE DESTAINER

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

1.1. Product identifier

Product name POLAR LOW TEMPERATURE DESTAINER
Product number 05195

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

Identified uses Bleach

1.3. Details of the supplier of the safety data sheet

Supplier TRUST HYGIENE SERVICES
LEAMORE LANE
BLOXWICH
WALSALL
WEST MIDLANDS
WS2 7PS

1.4 Emergency Telephone Number

M-F 09.00 am-17.00pm 0370 3500 988 NHS Direct 111 (Outside of office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Eye Dam. 1 - H318

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Xi;R41. O;R7.

Human health

Irritating to eyes.

Environmental

The product contains a substance which is toxic to aquatic organisms.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.

Contains

6-(PHTHALIMIDO)PEROXYHEXANOIC ACID

Detergent labelling 15 - < 30% oxygen-based bleaching agents, < 5% phosphonates

Supplementary precautionary statements

P310 Immediately call a POISON CENTER/doctor.

P410 Protect from sunlight.

P420 Store away from other materials.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

6-(PHTHALIMIDO)PEROXYHEXANOIC ACID CAS number: 128275-31-0 EC number: 410-850-8 M factor (Acute) = 1	15-30%
Classification Org. Perox. D - H242 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) O;R7 Xi;R41 N;R50
1,1-Hydroxy-ethyliden diphosphonic acid disodium salt CAS number: 7414-83-7 EC number: 231-025-7	1-5%
Classification Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC)

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation

Irritation of nose, throat and airway.

Ingestion

Nausea, vomiting. Diarrhoea. May cause stomach pain or vomiting.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Severe irritation, burning and tearing.

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

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire. Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Oxygen released in thermal decomposition may support combustion. Contact with combustible material may cause fire.

Hazardous combustion products

Fire or high temperatures create: Oxygen.

5.3. Advice for firefighters

Protective actions during firefighting

Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel

Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

For emergency responders

Sweep up and remove for disposal.

6.2. Environmental precautions

Environmental precautions

Avoid release to the environment. Do not flush into surface water or sanitary sewer system. Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect spilled liquid in plastic container (NOT METAL). Never return to original tank/container. Flush away small residues with excess water. Contain spillage but do not absorb in sawdust or other combustible material. If substance has entered water course or sewer, advise police. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Avoid spilling. Use approved respirator if air contamination is above an acceptable level. Avoid contact with the following materials: Acids. Moisture. Cleanliness is essential as any contamination may cause decomposition. Never return unused material to original containers. Eye wash facilities and emergency shower must be available when handling this product. Do not expose to temperatures exceeding 50°C/122°F.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep only in the original container. Keep away from flammable and combustible materials. Keep away from heat, sparks and open flame. Store cool. Protect from light. Unsuitable containers: copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy.

Storage class

Chemical storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters**Occupational exposure limits**TWA = 3mg/m³**8.2. Exposure controls****Protective equipment****Appropriate engineering controls**

Provide adequate general and local exhaust ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves made of the following material: Butyl rubber.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination. Wear rubber apron. Provide eyewash station and safety shower.

Hygiene measures

Provide eyewash station and safety shower. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Keep away from food and drink. Wash hands and face before break and the end of a shift. Avoid contact with the skin and eyes. Remove dirty clothes.

Respiratory protection

In the case of dust or aerosol formation, use respirator with an approved filter. Recommended Filter type: ABEK-P2

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties**Appearance**

Liquid.

Colour

White/off-white.

Odour

No characteristic odour.

pH

pH (concentrated solution): 2.8-3.8 (100%) pH (diluted solution): 6.2-7.2 1%

Melting point

75°C

Initial boiling point and range

No specific test data are available.

Flash point

No specific test data are available.

Evaporation rate

No specific test data are available.

Flammability (solid, gas)

Not applicable.

Vapour pressure

No specific test data are available.

Vapour density

No specific test data are available.

Relative density

1.00-1.10 @ 23°C

Bulk density

Not applicable.

Solubility(ies)

Soluble in water.

Partition coefficient

log Pow: 2.2

Auto-ignition temperature

470°C

Decomposition Temperature

>80°C

Viscosity

700 mPa s @ 25°C

Explosive properties

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information**Other information**

Not available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

The following materials may react with the product: Organic peroxides/hydroperoxides. Oxidising materials. Strong reducing agents. Will decompose at temperatures exceeding 80°C.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Contact with combustible material may cause fire

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid direct sunlight. Decomposition starts at 80°C with release of oxygen; avoid temperatures above 50°C.

10.5. Incompatible materials**Materials to avoid**

Strong acids. Strong alkalis. Metals, salts of metals, organic materials, flammable substances. Combustible materials. Reducing Agents Strong oxidising agents. Carbamates. Dithiocarbamates. Mercaptans (thiols). Inorganic sulphides. Nitriles and organic sulphides.

10.6. Hazardous decomposition products

Rapid decomposition will release large quantities of oxygen (health and fire risk). Decomposition is exothermic causing temperature rise which will further increase the rate of decomposition creating explosive situations. On decomposition irritating gases, vapours and oxygen are released. Decomposition will not occur if product is stored and used correctly.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Inhalation**

May cause respiratory system irritation. Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

May cause severe internal injury. May cause stomach pain or vomiting. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact

This product is strongly irritating. Prolonged contact may cause burns.

Eye contact

Risk of serious damage to eyes. A single exposure may cause the following adverse effects: Corneal damage. Irritation, burning, lachrymation, blurred vision after liquid splash.

Toxicological information on ingredients.

6-(PHTHALIMIDO)PEROXYHEXANOIC ACID

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

2,001.0

Species

Rat

ATE oral (mg/kg)

2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

2001.0

Species

Rabbit

SECTION 12: Ecological Information

Ecotoxicity

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. The levels of environmentally hazardous materials are below the limit that would cause the preparation to be classified as Dangerous to the Environment.

12.1. Toxicity

Not considered toxic to fish.

Ecological information on ingredients.

6-(PHTHALIMIDO)PEROXYHEXANOIC ACID

Acute aquatic toxicity

LE(C)

0.1 < L(E)C50 ≤ 1

M factor (Acute)

1

Acute toxicity - fish

LC , 96 hours: 0.4 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates

EC , 48 hours: 17.6 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC , 72 hours: 1.3 mg/l, Selastrum capricornutum

Acute toxicity - microorganisms

EC , : 100 mg/l, Bacteria

12.2. Persistence and degradability

Persistence and degradability

Readily biodegradable.

Ecological information on ingredients.

6-(PHTHALIMIDO)PEROXYHEXANOIC ACID

Biodegradation

- 70%: 28 days

Biological oxygen demand

89%

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

log Pow: 2.2

Ecological information on ingredients.**6-(PHTHALIMIDO)PEROXYHEXANOIC ACID****Partition coefficient**

log Pow: < 3

12.4. Mobility in soil**Mobility**

No specific test data are available.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

No specific test data are available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal methods**

WASTE/UNUSED PRODUCTS: Collect all waste in suitable and labelled containers and dispose of according to legislation.
CONTAMINATED PACKAGING: Empty containers should be taken for recycling, recovery or waste in accordance with local regulations. For recycling, ensure container is empty and bungs are replaced. Arrange disposal as a special waste by licensed disposal company in consultation with Local Waste Disposal Authority and in accordance with the Control of Pollution Act 1974.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)**Transport labels****14.4. Packing group**

Not applicable.

14.5. Environmental hazards**Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments

Revision is in accordance with Commission Regulation (EC) No 1272/2008

Revision date 10/02/2015

Revision 3

Supersedes date 19/08/2013

SDS number 7524/11509

Risk phrases in full

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

R7 May cause fire.

Hazard statements in full

H242 Heating may cause a fire.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product