

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CHIGUARD 770

**Recommended Use of the Chemical and Restrictions on Use** Light stabilizer.

**Supplier:** Ixom Operations Pty Ltd  
**ABN:** 51 600 546 512  
**Street Address:** Level 8, 1 Nicholson Street  
East Melbourne Victoria 3002  
Australia

**Telephone Number:** +61 3 9906 3000  
**Emergency Telephone:** 1 800 033 111 (ALL HOURS)

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## 2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### Classification of the chemical:

Eye Damage - Category 1

Acute Inhalation Toxicity - Category 2

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Acute Oral Toxicity - Category 5

Acute Aquatic Toxicity - Category 2

Chronic Aquatic Toxicity - Category 2

**SIGNAL WORD:** DANGER



### Hazard Statement(s):

H303 May be harmful if swallowed.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary Statement(s):

#### Prevention:

P102 Keep out of reach of children.

P260 Do not breathe dust.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

P284 Wear respiratory protection.

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## Response:

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor/physician.

P320 Specific treatment is urgent (see First Aid Measures on this Safety Data Sheet).

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P391 Collect spillage.

## Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

## Disposal:

P501 Dispose of contents and container in accordance with local, regional, national, international regulations.

**Poisons Schedule (SUSMP):** None allocated.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Decanedioic acid, bis-(2,2,6,6-tetramethyl-4-piperidinyloxy) ester	52829-07-9	>=99%	H318 H330 H411

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

### Skin Contact:

If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

### Eye Contact:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre.

### Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice.

### Indication of immediate medical attention and special treatment needed:

Treat symptomatically. Can cause corneal burns.

## 5. FIRE FIGHTING MEASURES

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## **Suitable Extinguishing Media:**

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

## **Unsuitable Extinguishing Media:**

Water jet. Avoid hose stream or any method which will create dust clouds.

## **Hazchem or Emergency Action Code: 2X**

## **Specific hazards arising from the chemical:**

Combustible solid. May form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards". Environmentally hazardous.

## **Special protective equipment and precautions for fire-fighters:**

On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency procedures/Environmental precautions:**

Clear area of all unprotected personnel. Shut off all possible sources of ignition. Do not allow container or product to get into drains, sewers, streams or ponds. If contamination of sewers or waterways has occurred advise local emergency services.

### **Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Collect contaminated rinse water, do not allow to reach sewage or effluent systems.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling:**

Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation. The product may present a dust explosion hazard. Avoid handling that leads to dust formation. Avoid sources of ignition. Take precautionary measures against static discharges. When using do not eat, drink or smoke. Wash hands thoroughly after handling.

### **Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well ventilated place. Keep container standing upright. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters:** No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for particulates:

Dusts not otherwise classified: 8hr TWA = 10 mg/m<sup>3</sup>

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As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

## Appropriate engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

## Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, DUST MASK.



Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Crystalline Powder
<b>Colour:</b>	White
<b>Odour:</b>	Faint
<b>Solubility:</b>	Insoluble in water.
<b>Specific Gravity:</b>	1.05 @20°C
<b>Relative Vapour Density (air=1):</b>	Not available
<b>Vapour Pressure (20 °C):</b>	0.0000013 hPa
<b>Flash Point (°C):</b>	Not available
<b>Flammability Limits (%):</b>	Not available
<b>Autoignition Temperature (°C):</b>	Not available
<b>Melting Point/Range (°C):</b>	81-85
<b>Decomposition Point (°C):</b>	Not available
<b>pH:</b>	Not available

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## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No information available.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Heat will contribute to instability.
<b>Possibility of hazardous reactions:</b>	Dust explosion hazard.
<b>Conditions to avoid:</b>	Avoid dust generation. Avoid exposure to moisture. Avoid exposure to direct sunlight. Avoid exposure to air. Avoid exposure to heat, sources of ignition, and open flame. Avoid electrostatic discharge.
<b>Incompatible materials:</b>	Incompatible with strong acids, strong bases, strong oxidising agents.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation.
<b>Eye contact:</b>	A severe eye irritant. Contamination of eyes can result in permanent injury.
<b>Skin contact:</b>	Contact with skin may result in irritation.
<b>Inhalation:</b>	Breathing in dust may result in respiratory irritation.
<b>Acute toxicity:</b>	
Oral LD50 (rat):	3700 mg/kg
Dermal LD50 (rat):	>3170 mg/kg
Inhalation LC50 (rat):	500 mg/m <sup>3</sup>
<b>Skin corrosion/irritation:</b>	Non-irritant (rabbit).
<b>Serious eye damage/irritation:</b>	Severe irritant (rabbit).
<b>Respiratory or skin sensitisation:</b>	Not a skin sensitiser (guinea pig).
<b>Chronic effects:</b>	No information available for the product.
<b>Aspiration hazard:</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways.
<b>Persistence/degradability:</b>	Not readily biodegradable.
<b>Bioaccumulative potential:</b>	No information available.

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**Mobility in soil:** No information available.

**Aquatic toxicity:** Toxic to aquatic life with long lasting effects.

48hr EC50 (Daphnia magna): 8.58 mg/L  
96hr LC50 (fish): 4.4 mg/L

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

Refer to Waste Management Authority. Dispose of contents and container in accordance with local, regional, national, international regulations.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.



**UN No:** 2811  
**Transport Hazard Class:** 6.1 Toxic  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** TOXIC SOLID, ORGANIC, N.O.S. (BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)SEBACATE)  
**Hazchem or Emergency Action Code:** 2X

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 2811  
**Transport Hazard Class:** 6.1 Toxic  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** TOXIC SOLID, ORGANIC, N.O.S. (BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)SEBACATE)

**IMDG EMS Fire:** F-A  
**IMDG EMS Spill:** S-A

**Marine Pollutant:** Yes

### Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 2811  
**Transport Hazard Class:** 6.1 Toxic  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** TOXIC SOLID, ORGANIC, N.O.S. (BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)SEBACATE)

## 15. REGULATORY INFORMATION

**Classification:**

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

**Classification of the chemical:**

Eye Damage - Category 1

Acute Inhalation Toxicity - Category 2

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

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Chronic Aquatic Toxicity - Category 2

**Hazard Statement(s):**

H303 May be harmful if swallowed.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H411 Toxic to aquatic life with long lasting effects.

**Poisons Schedule (SUSMP):** None allocated.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

Supplier Safety Data Sheet; 04/ 2019.

CHIGUARD is a registered trade mark.

This safety data sheet has been prepared by Ixom Operations Pty Ltd (Toxicology & SDS Services).

**Reason(s) for Issue:**

5 Yearly Revised Primary SDS

Change in Hazardous Chemical Classification

Change in First Aid Measures

Update in Toxicological Information

Change to Transport Information

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Ixom representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.