

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

1.1 COMPANY IDENTIFICATION

Company's Name: Trulux Pty Ltd
Email address: info@trulux.com.au
Website: www.trulux.com.au
Contact number: +61 (02) 9975 2655
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

1.2 PRODUCT IDENTIFICATION

Trade name: Tartaric Acid
Reference number: RMTR-0663A
Classification: Refer to clause 2

1.3 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses: Raw Material
Uses advised against: No further information available.

1.4 DETAILS OF THE SUPPLIER OF THE SUBSTANCE INFORMATION SHEET

Supplier's Company: Trulux Pty Ltd
Website: www.trulux.com.au
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

Trade Name: Tartaric Acid
TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid
Rev.: 03
Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARD IDENTIFICATION

GHS Classification

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Serious eye damage/eye irritation: Category 1

SIGNAL WORD: Danger

Label elements

Hazard statements : Corrosion
H318 - Causes serious eye damage

Precautionary Statements - Prevention: Wear eye/face protection
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage: No storage statements.

Precautionary Statements - Disposal: No disposal statements.

Poisons Schedule (SUSMP): None allocated.

Trade Name: Tartaric Acid

Doc: RMSDS - Tartaric Acid

TR Ref. Number: RMTR-0663A

Rev.: 03

Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Substance

| Chemical Name | CAS Number | Concentration (%) |
|---------------|------------|-------------------|
| Tartaric acid | 87-69-4 | 100 |

4 FIRST AID MEASURES

General advice: For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

Emergency telephone number: Poisons Information Center, Australia: 13 11 26
Poisons Information Center, New Zealand: 0800 764 766

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

Ingestion: Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.

Skin contact: Wash skin with soap and water.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

Indication of any immediate medical attention and special treatment needed:

Note to physicians Treat symptomatically. Can cause corneal burns.

Trade Name: Tartaric Acid
TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid
Rev.: 03
Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

5 FIRE FIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media: | Dry chemical, CO ₂ , water spray or regular foam. |
| Specific hazards arising from the chemical: | Combustible material. |
| Hazardous combustion products: | Carbon oxides. |
| Advice for firefighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and inhalation of vapors.

Methods and material for containment and cleaning up

- Methods for containment Prevent further leakage or spillage if safe to do so.
 - Methods for cleaning up Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal.
-

7 HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Take precautionary measures against static discharges.

Trade Name: Tartaric Acid
TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid
Rev.: 03
Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

| | |
|---|---|
| Conditions for safe storage, including any incompatibilities: | Keep containers tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep the container closed when not in use. |
| Incompatible materials: | Bases. Oxidizing agents. Reducing agents. Silver. Fluorine. |
| Poisons Schedule (SUSMP): | None allocated. |

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

Exposure Limits

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/m³

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

Apply technical measures to comply with the occupational exposure limits. If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such

Trade Name: Tartaric Acid

Doc: RMSDS - Tartaric Acid

TR Ref. Number: RMTR-0663A

Rev.: 03

Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

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

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, SAFETY GLASSES, GLOVES, DUST MASK.

- Personal Protective Equipment Gloves. Safety glasses.
- Respiratory Protection If determined by a risk assessment an inhalation risk exists, wear a dust mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
- Hand Protection Impervious gloves.
- Skin and Body Protection Overalls. Boots.
- Eye / Face Protection Tight sealing safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|---------------------------------|------------|
| Physical State: | Solid |
| Colour: | White |
| Odour: | Odourless. |
| Melting Point / Freezing Point: | 169 °C |
| Boiling Point / Range: | 179.1 °C |

Trade Name: Tartaric Acid
TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid
Rev.: 03
Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

| | |
|----------------------------------|------------------|
| Flash Point: | > 100 °C |
| Vapour Pressure: | < 5 Pa @ 20 °C |
| Relative Vapour Density @ 20 °C: | 5.18 Air = 1 |
| Relative Density: | 1.76 @ 20 °C |
| Molecular Mass: | 150.09 g/mol |
| Water Solubility: | Soluble in water |
| Autoignition Temperature: | 375 °C |

10 STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Chemical Stability: | Stable under normal conditions. |
| Explosion Data: | Sensitivity to mechanical impact: None. Sensitivity to static discharge: None. |
| Possibility of hazardous reactions: | None under normal processing. |
| Hazardous polymerization: | Hazardous polymerization does not occur. |
| Conditions to Avoid: | Heat, flames and sparks. Dust formation. |
| Incompatible Materials: | Bases. Oxidizing agents. Reducing agents. Silver. Fluorine. |
| Hazardous Decomposition Products: | Carbon oxides. |

11 TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Trade Name: Tartaric Acid
TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid
Rev.: 03
Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

Product Information:0

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

- Inhalation: May cause irritation.
- Eye Contact: Severely irritating to eyes. Causes burns. May cause irreversible damage to eyes.
- Skin Contact: May cause irritation.
- Ingestion: Ingestion may cause irritation to mucous membranes.

Numerical measures of toxicity - Product Information

Oral LD50 > 5000 mg/kg (rat)

Inhalation LC50 > 5 mg/l /4hr

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Skin corrosion/irritation: Not classified.
- Serious eye damage/eye irritation: Causes serious eye damage.
- Respiratory or skin sensitization: Not classified.
- Germ cell mutagenicity: Not classified.
- Carcinogenicity: Not classified.
- Reproductive toxicity; Not classified.
- STOT - single exposure: Not classified.
- STOT - repeated exposure: Not classified.
- Aspiration hazard: Not classified.

Trade Name: Tartaric Acid

TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid

Rev.: 03

Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Keep out of waterways.

| Chemical Name | Fish |
|-----------------------------------|-----------------------------------|
| LC50: >100mg/L (96h, Danio rerio) | LC50: >100mg/L (96h, Danio rerio) |

Persistence and degradability: Readily biodegradable.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

14 TRANSPORT INFORMATION

ADG

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

IATA

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

IMDG

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Trade Name: Tartaric Acid

TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid

Rev.: 03

Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

15 REGULATORY AND OTHER INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Poisons Schedule (SUSMP): None allocated.

International Inventories

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

NZIoC This material is listed on the New Zealand Inventory of Chemicals.

Legend:

AICS - Australian Inventory of Chemical Substances

16 OTHER INFORMATION

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition or other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user.

This sheet completes the technical sheets but it does not replace them. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied is made and Trulux Pty Ltd assumes no legal responsibility or liability whatsoever resulting from its use. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

Trade Name: Tartaric Acid

TR Ref. Number: RMTR-0663A

Doc: RMSDS - Tartaric Acid

Rev.: 03

Rev. Date: 03/12/2021

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

This listing must not be considered exhaustive. It does exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regard to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use.

Trade Name: Tartaric Acid

Doc: RMSDS - Tartaric Acid

TR Ref. Number: RMTR-0663A

Rev.: 03

Rev. Date: 03/12/2021