

Safety Data Sheet



1. Identification

Product Identifier: **Ultrasonic Cleaner**

Other means of identification: Not applicable.

Recommended use of the chemical and restrictions on use: For use in ultrasonic cleaning machines to remove every type of stain and dirt from all hard surfaces. No information for uses advised against.

Details of manufacturer or importer:

Supplier: Paramount Chemicals
ABN No: 99 168 246 115
Street Address: Rear 160 High Street,
Preston, VIC, 3072,
Australia.
Telephone: +61 3 9495 1522
Web Address: www.paramountchemicals.com.au

Emergency telephone number: 000 (Available 24 hours)

2. Hazards Identification

Classification of the substance or mixture: This material is classified as hazardous according to the criteria of Regulation (EC) No. 1272/2008 (CLP), the Globally Harmonised System of Classification, Labelling and Packaging and Safe Work Australia.

Skin Corrosion/Irritation – Category 1B
Serious Eye Damage/Irritation – Category 1
Specific Target Organ Toxicity (Single Exposure) – Category 3

Label elements/pictogram:



Signal Word:

Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage
H335: May cause respiratory irritation

Prevention Precautionary Statements:

P102: Keep out of reach of children
P103: Read label before use
P260: Do not breathe dust, fume, gas, mist, vapours or spray
P264: Wash hands, face and all exposed skin thoroughly after handling
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective clothing, gloves, eye/face protection and suitable respirator as required

Response Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand

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P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363: Wash contaminated clothing before reuse
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: 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 CENTRE or doctor/physician

Storage Precautionary Statements:

P403+233: Store in a well-ventilated place. Keep container tightly closed
P405: Store locked up

Disposal Statements:

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

Poison Schedule: S5 CAUTION

3. Composition/Information on Ingredients

Chemical Identity	CAS No.	EC No.	Concentration of Ingredients (% w/w)
Inorganic phosphates*	*	*	30 - 60%
Sodium metasilicate	6834-92-0	229-912-9	30 - 60%
Non-Hazardous	-	-	Balance

*Proprietary Information.

4. First Aid Measures

Description of necessary first aid measures: For advice, contact a Poisons Information Centre (eg. Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor at once.

Ingestion: If swallowed, immediately rinse mouth with water. Do NOT induce vomiting. If vomiting occurs, give further water. Contact a Poisons information Centre or doctor for advice.

Skin Contact: If spilt on large areas of skin or hair, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble), until advised to stop by a Poisons Information Centre or a doctor. Burns may be covered with a clean, dry gauze dressing. Transport to hospital or a medical centre.

Inhalation: If inhaled, remove from contaminated area into fresh air. Remove contaminated clothing. Allow patient to assume a comfortable position. Keep warm and at rest until fully recovered. If symptoms develop seek medical advice.

Eye Contact: If in eyes, hold eyelids apart and immediately flush the eye continuously with running water. Remove contact lenses if present, and safe to do so. Continue flushing until advised to stop by a Poisons Information Centre or a doctor. Transport to hospital or a medical centre.

Symptoms caused by exposure: Refer to Section 11 for Toxicological Information

Medical attention and special treatment: Treat symptomatically. Can cause corneal burns.

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5. Fire Fighting Measures

Hazchem Code: 2X

Suitable extinguishing equipment: If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards arising from the chemical: Corrosive substance. Incompatible with acids.

Special protective equipment and precautions for fire fighters: On decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Clear area of all unprotected personnel. Stop the source of the leak, if safe to do so. Clean up immediately. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wear protective equipment to prevent skin and eye contact and the inhalation of dust.

Environmental precautions: If contamination of crops, sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:

Large spills

Sweep, or vacuum up material, avoiding dust generation or dampen spilled material with water to suppress airborne dust. Collect spilled product and place in sealable containers or drums for disposal. Clean contaminated area and objects with plenty of water and detergent. Contain and absorb wash water for disposal.

Small spills

Sweep, or vacuum up material, avoiding dust generation or dampen spilled material with water to suppress airborne dust. Collect spilled product and place in a sealable container for disposal. Clean contaminated area and objects with plenty of water and detergent.

7. Handling and Storage

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Avoid breathing dust/vapour/spray mist. Use only in well ventilated areas. Wear protective clothing when mixing or using. Wash hands thoroughly after use. Do not add water to product – add product to water, but in case of fire drench with water.

Conditions for safe storage, including any incompatibilities: Store in a dry, clean, cool, well ventilated place away from sunlight. Store in the original, labelled container and keep container tightly closed when not in use. Store container upright and away from acids, oxidising agents and foodstuffs. Check regularly for spillage.

Keep out of reach of children. This product is a schedule 5 poison and must be stored and handled in accordance with the recommendations of the Standard for the Uniform Scheduling of Medicines and Poisons.

This material is classified as a Dangerous Good Class 8 Corrosive as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

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8. Exposure Controls/Personal Protection

Control parameters

Exposure standards: No workplace exposure standard has been assigned for this specific material by Safe Work Australia.

Biological monitoring: No biological monitoring required.

Appropriate engineering controls: Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

Personal protective equipment:

Manufacturing, Packaging and Transport: Personal protective equipment should be used only when other control measures (eg. elimination, substitution, isolation and engineering controls) have been found to be impracticable or in conjunction with one or more control measures. When needed wear overalls, safety glasses/chemical goggles, impervious gloves and a dust mask meeting the requirements of AS/NZS 1715 AS/NZS 1716 (Australian/New Zealand Standard™ respiratory protective devices). Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment.



Recommendations for consumer use: Wear safety glasses and gloves. Avoid inhaling dust, vapour, mist or aerosols. Wash hands after use.

9. Physical and Chemical Properties

Appearance/odour:	White powdered granules.
Solubility:	Soluble in water.
Odour threshold	Not available.
pH:	12.0
Specific gravity/density:	Approx. 1.0
Melting point:	Not available.
Initial boiling point:	Not available.
Boiling point range:	Not available.
Flash point:	Not applicable.
Evaporation rate:	Not applicable.
Flammability:	Not applicable.
Flammability limits:	Not applicable.
Vapour pressure	Not available.
Rel. vap. Density, air=1:	>1
Partition co-efficient:	Not available.
Autoignition Temp:	Not applicable
Decomposition Temp:	Not available.
Viscosity:	Not available.

Reference¹

10. Stability and Reactivity

Reactivity/Incompatible materials: Reacts with oxidising agents. Product is a strong alkalis and will react violently with acids. Reacts exothermically on dilution with water.

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Avoid contact with foodstuffs. Keep containers tightly closed when not in use. Avoid extremes of temperature and direct sunlight. Avoid contact with incompatible materials.

Possibility of hazardous reactions: No hazardous reactions when stored and handled within normal conditions of use.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. Toxicological Information

No adverse 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:

Acute Toxicity

Ingestion: Swallowing can result in nausea, vomiting, abdominal pain and burns to the gastrointestinal tract.

Skin contact: Product will cause burns before being absorbed to any appreciable extent through the skin.

Inhalation: Inhalation of dust and vapour, mists or aerosols during use will result in respiratory irritation.

Corrosion/Irritation

Skin Contact: Corrosive to skin - may cause skin burns.

Eye contact: Corrosive to eyes. Can cause corneal burns that may result in permanent injury.

Respiratory and skin sensitisation

This product is not expected to cause respiratory nor skin sensitisation.

Other toxic effects

This product is not expected to be a germ cell mutagen and cause heritable genetic damage.

This product is not expected to be carcinogenic and cause cancer.

This product is not expected to be a reproductive toxicant and impair fertility nor cause irreversible effects in the offspring.

This product will cause respiratory irritation if product is inhaled following a single exposure, however repeated exposure to low doses are not expected to cause specific target organ toxicity.

This product is not expected to present an aspiration hazard.

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12. Ecological Information

Ecotoxicity: Avoid contaminating waterways.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

Other adverse effects: Not dangerous to the ozone layer.

13. Disposal Considerations

Disposal methods: Refer to State Land Waste Management Authority.

14. Transport Information

Road and Rail Transport

DANGEROUS GOODS - Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail.

Class/Division: 8 CORROSIVE SUBSTANCE

UN No. 3262

Packing Group: II

Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

Hazchem Code: 2X

Environmental hazards for transport purposes: Not a marine pollutant according to the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea.

Special precautions for transport: Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity, however exemptions may apply. Note that concentrated strong alkalis are incompatible with concentrated strong acids.

Additional information: There is a limited quantity exemption for 1 kg or less for this material.

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Marine Transport

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

Class/Division: 8 CORROSIVE SUBSTANCE

UN No. 3262

Packing Group: II

Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

Air Transport

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

Class/Division: 8 CORROSIVE SUBSTANCE

UN No. 3262

Packing Group: II

Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

15. Regulatory Information

Safety, health and environmental regulations:

SCHEDULE 5 POISON – Listed as a schedule 5 poison in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

All of the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS).

This material is not listed as subject to the following international agreements:

- An ozone depleting substance according to the Montreal Protocol.
- A persistent organic pollutant according to the Stockholm Convention.
- As requiring Prior Informed Consent according to the Rotterdam Convention.

This material is listed as subject to the following international agreements:

- As Dangerous Goods (Hazardous Waste) according to the Basel Convention on Hazardous Waste
 - Basic solutions or bases in solid form
- A marine pollutant, according to the Prevention of Pollution from Ships (MARPOL).
 - Annex III - Harmful Substances carried in Packaged Form.

16. Other Information

References

1. In-House Confidential Test Data (2019).

Reason for Issue

Supersedes Revision: Not applicable.

Reason for Issue: First issue.

This Safety Data Sheet was prepared by SDS Writers (www.sdswriters.com).

The information contained in this Safety Data Sheet is intended to give general guidance on how to safely handle the product in the workplace. Since the supplier of this product cannot anticipate or control the conditions under which it may be used, each user must, prior to usage, assess and control the risks arising from the use of this product. If clarification or further information is needed, the user should contact the product supplier, listed on the first page of this document.

The supplier's responsibility for the product as sold is subject to the terms and conditions of sale, a copy of which is available on request.

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End of SDS.