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1. PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL

Product Identifier: SONICLEAN ULTRASONIC DETERGENT CONCENTRATE

Other Names:

Dangerous Goods Shipping Name: Not regulated

SUSMP name: Poison Schedule 6 (Sodium Nitrite)

Product Code: CH-SLQ5L-MC1

Recommended use of the chemical and restrictions on use: Low foaming detergent concentrate for ultrasonic baths

Supplier Details

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Quote M0803

2. HAZARD IDENTIFICATION

Classification of the hazardous chemical

Classified as hazardous according to criteria of ASCC but not classified as a dangerous goods according to the ADG code.

Emergency overview: Contains sodium nitrite which is harmful if swallowed, inhaled or absorbed through skin. Causes irritation to skin, eyes and respiratory tract.

Classification by Hazardous Chemical Information System (HCIS) (Australia):

Acute toxicity - category 3

Hazardous to the aquatic environment (acute) - category 1

Label elements according to the National model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015)

Hazard pictograms:



Signal word: DANGER

Hazard statements:

H301 Toxic if swallowed.

H400 Very toxic to aquatic life

Precautionary statements:

P220 Keep/Store away from clothing/ combustible materials.

P273 Avoid release to the environment.

Other hazards which do not result in classification

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3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Substance Name</i>	<i>Concentration, %</i>	<i>Product Identifier</i>	<i>Hazard Classes and Hazard Categories</i>
Sodium Nitrite	6	CAS No. 7632-00-0 EC No. 231-555-9 Index No.: 007-010-00-4	Ox. Sol. 3, H272 Acute Tox. 3 , H301 Aquatic Acute 1, H400 Eye irrit.2A, H319

Ingredients either below cut off levels or not classified in “Implementing GHS – Annex 9”

<i>Substance Name</i>	<i>Concentration, %</i>	<i>Product Identifier</i>	<i>Hazard Classes and Hazard Categories</i>
Water	>60	CAS No. 7732-18-5 EC No. 231-791-2	Not Listed
4,4'-Isopropylidenediphenol, ethoxylated	<10	CAS No. 32492-61-8 EC No. 500-082-2	Aquatic Chronic 3, H412
Propylene Glycol	<10	CAS No. 57-55-6 EC No. 200-338-0	Not Listed
Non-hazardous ingredients	<10	confidential	Not listed

4. FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Notes to Physician: Treat symptomatically and supportively.

Symptoms caused by exposure: Sodium nitrite: Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Headache, Nausea, Incoordination.

Medical Attention and Special Treatment: No data

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide or chemical foam

Specific hazards arising from the chemical

Fire: If involved in a fire the product may generate carbon monoxide, carbon dioxide and nitrogen oxides.

Explosion: Not considered to be an explosion hazard.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not applicable, Upper: Not applicable

Hazchem Code:Not applicable

Special protective equipment and precautions for fire fighters

Advice for firefighters: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to

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prevent contact with thermal decomposition products. Containers may explode when heated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not applicable

Environmental precautions Do not flush large spills into surface water or sanitary sewer system.

General Information: Use proper personal protective equipment as indicated in Section 8.

Methods and materials for containment and cleaning up

Spills/Leaks: Spills: Absorb large spills on sand or earth and collect for disposal in clean, labelled containers. Flush small spills and residues to drain with excess water.

7. HANDLING AND STORAGE

Precautions for safe handling: Wash thoroughly after handling. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale..

Conditions for safe storage, including any incompatibilities:. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters – exposure standards, biological monitoring

HSIS Airborne Exposure Limits: Not assigned

Appropriate engineering controls: Not applicable

Personal protective equipment (PPE)

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: No special requirements.

Respiratory Protection (AS/NZS 1715/1716 Approved): No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow liquid

Boiling Point (oC): 100

Melting Point (oC): No data

Specific Gravity: 1.06 (approximately)

Vapour Pressure (Pa or mm of Hg at 25oC): No Data

Flashpoint (oC): None

Flammability Limits (%): LEL - Not Applicable; UEL - Not Applicable

Solubility in Water (g/L): Soluble in all proportions

pH (neat): 8.2 ± 0.5

Vapour Density: No data

Evaporation Rate: Not available.

Viscosity: No data

Decomposition Temperature: No data

Solubility: miscible in water

10. STABILITY AND REACTIVITY

Reactivity: Will not polymerise.

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, excess heat.

Incompatible materials and possible hazardous reactions: Reacts with amines, ammonia, oxidising and reducing agents. Acids liberate toxic nitrogen oxides.

Hazardous Decomposition Products: Oxides of Nitrogen, carbon

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Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on routes of exposure: Contact and Oral.

Potential health effects

Inhalation: Mist may be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: Harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause serious eye irritation.

Signs and Symptoms of Exposure

Absorption into the body of sodium nitrite leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer, Headache, Nausea, Incoordination.

Numerical measures of toxicity: No data for product.

Immediate, delayed and chronic health effects from exposure

Skin corrosion/irritation: No data

Serious eye damage/irritation: No data

Respiratory or skin sensitisation: Not sensitising.

Germ cell mutagenicity: no data

Reproductive toxicity: no data

Aspiration hazard: Not an aspiration hazard

Carcinogenicity: IARC: 2A - Group 2A: Probably carcinogenic to humans (Sodium nitrite).

Mutagenicity: No data

Specific target organ toxicity (stot) – single exposure: No data

Specific target organ toxicity (stot) – repeated exposure: No data

Exposure Levels: no data

Interactive effects: none known

Data limitations: none known

12. ECOLOGICAL INFORMATION

Ecotoxicity: Sodium nitrite LC50 = 0.19 mg/L, *Oncorhynchus mykiss* 96 h

Persistence and degradability: Product will degrade in sewage treatment plants.

Bioaccumulative potential: No data

Mobility in soil: Sodium nitrite -3.7 Component log Pow

Other adverse effects: Sodium nitrite is very toxic to aquatic life

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility.

Disposal of any contaminated packaging: Dispose of container and unused contents in accordance with federal, state and local requirements..

Environmental regulations: No data

14. TRANSPORT INFORMATION

Australian DG Classification for Road and Rail: Not a dangerous good

Environmental hazards: Not a marine pollutant

Special precautions during transport:

Hazchem Code: Not applicable

15. REGULATORY INFORMATION

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Australian Inventory of Chemical Substances: All ingredients are listed on the AICS

HSIS (Safe Work Australia) Labelling: O Oxidising; T Toxic; N Dangerous for the environment; R8 Contact with combustible material may cause fire. R25 Toxic if swallowed; R50 Very toxic to aquatic organisms. S1/2 Keep locked up and out of the reach of children; S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

SUSMP Labelling: S6 Poison: FIRST AID: For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor (at once). If swallowed, do NOT induce vomiting.

16. OTHER INFORMATION

Date of preparation or review:

Key abbreviations or acronyms used: Not applicable

The above information is accurate to the best of the knowledge available to us. However since data safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control we make no warranty, whether express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Users should satisfy themselves that they have all current data relevant to their particular use.

End of SDS