



SAFETY DATA SHEET

LIQUID SUNBLOCK

Issue Date: 14/11/22
Issued by : BOND CHEMICALS Pty Ltd

1. IDENTIFICATION

Product Identifier
LIQUID SUNBLOCK

Synonyms
Soluble and undissolved Cyanuric acid slurry.
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, CYA, Cyanuric Acid'
2,4,6-Trihydroxy-s-triazine, Isocyanuric acid, Symmetrical triazinetrione.

Company Name
BOND CHEMICALS Pty Ltd (ABN 491 505 672 67)

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Emergency Contact Name
Manufacturing Manager, Bond Chemicals Pty Ltd

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Recommended use of the chemical and restrictions on use
FOR ENHANCING THE STABILITY OF CHLORINE IN POOLS AND SPA'S

2. HAZARD IDENTIFICATION

GHS classification of substance/mixture
This product is CLASSIFIED AS A **SCHEDULE 5 POISON** BY SUSMP

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

MAJOR HEALTH HAZARDS:-

MAY CAUSE SLIGHT EYE AND SKIN IRRITATION.

Signal Word (s)

CAUTION SCHEDULE 5 POISON

Hazard Statement (s)

None identified

Precautionary Statement (s)

P102 Keep out of the reach of children
P103 Read label before use.
P262 Do not get in eyes, on skin, or on clothing
P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P291 Use personal protective equipment as required.

Pictogram (s)

None

Precautionary Statement – Prevention

P104 Read Safety Data Sheet before use.

Precautionary Statement – Response

P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
P303+P361+P353+P363 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Precautionary Statement - Storage

Keep locked up when not in use.

Precautionary Statement – Disposal

Dispose of contents/container in accord with State, Territorial or Commonwealth regulations. Dispose of triple rinsed empty containers to plastics recycle system, or general waste disposal system.

Other Information

In Australia and New Zealand, the POISONS CENTRE is the Poisons Information Centre; Australia: Telephone 13 11 26; New Zealand Telephone 0800 764 766

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Cyanuric Acid	108-80-5	40-50%

Water	7732-18-5	50-60 %
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4. FIRST – AID MEASURES

Inhalation

No effects expected

Ingestion

Never induce vomiting if patient is unconscious or having convulsions.

If swallowed do not induce vomiting. Obtain medical attention promptly and/or transfer to an emergency hospital.

Skin

If skin and/or hair contact occurs, remove contaminated clothing and foot wear and flush skin and hair with running water .If irritation persists Seek medical attention.

Eye

If in eyes, hold eyelids apart, and flush the eye continuously with running water Remove contact lenses, if fitted, before flushing with water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor, or for at least 15 minutes.

First Aid Facilities

An eye wash unit, a shower and drinking quality water should be readily accessible in the work area for swimming pool and spa cleaning contractors or be adjacent to the swimming pool or spa in the recreational environment.

Advice to Doctor

This material causes mild irritation to skin and eyes. No antidote available. Treat symptomatically and supportively. Cyanuric acid is readily removed from the body via the renal system, and is not bioaccumulated.

Indication of immediate medical attention and special treatment if necessary

For advice, contact Poisons Information Centre, Phone Australia 13 11 26; New Zealand: 0800 764 766 or a Doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for the source of the fire. Apply water fog or water spray to keep intact containers cool and for a short period after the fire source is extinguished. DO NOT water fog or water spray to split or damaged containers.

Specific Methods

Remove sealed containers from the path of the fire if safe to do so. If not, keep fire exposed containers cool with water spray. Operate upwind of the containers and out of the path of the fire.

Specific Hazards Arising from the Chemical

None expected as the product is neither flammable or combustible. Sealed containers exposed to heat of a fire may rupture releasing a corrosive solution as a spray.

Hazchem Code

2X

Precautions in connection with Fire

Firefighters should wear full protective equipment and other equipment such as self-contained breathing apparatus appropriate to the major source of fire.

6. ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Cleaning Up

Remove unnecessary people from spill area. Wear appropriate protective clothing and contain spill with soil, sand or vermiculite to prevent entry into drains, sewers, water courses and water storages. Collect spilled material if possible, otherwise soak up in an inert absorbent material and collect in labelled containers for disposal. Wash residual materials from spill scene/area with plenty of water.

Environmental Precautions

DO NOT allow entry into water courses, drains or sewers.

Advise local authorities if spillage is likely to enter or has entered water courses or drains.

7. STORAGE AND HANDLING

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Product will irritate eyes, and skin. Discard contaminated footwear. Use clean containers for dispensing. Mix with water only.

Conditions for safe storage, including any incompatibilities

Store under cover in a dry, clean, cool, well ventilated place, free from food, food stuffs, strong acids, oxidizing agents. Store in upright containers. Ensure that container is closed when not in use.

Storage Regulations

Store in accordance with Dangerous Goods (Storage and Handling) regulations of your jurisdiction.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Regulatory exposure Limits: As listed below

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
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PEL = Permissible exposure limit. TWA = Time weighted average STEL = Short term exposure limit

Appropriate Engineering Controls

A system of local and/or general exhaust ventilation is recommended in the workplace to keep exposure levels low.

Respiratory Protection

For recreational use, ensure that the product is used in a well-ventilated space. In the workplace if exposure limit is exceeded and engineering controls are not practicable a full face, air-purifying (acid gas) respirator may be used. Where atmospheric concentrations are unknown wear a full face, positive-pressure air supplied respirator. Select and fit approved respirators according to AS/NZS 1715* and AS/NZS 1716*.

Eye Protection

Wear approved chemical goggles. In the workplace environment eye protection complying with AS/NZS 1337* should be worn to protect against splashes and droplets of the product from entering the eye. Guidance to recommended practices for eye protection in the industrial environment is provided in AS/NZS 1336*. Ensure that the eye wash facility is readily available and accessible in the workplace.

Skin & Body Protection

For recreational use wear protective gloves, long sleeves, foot and eye protection to minimize exposure to the corrosive chemical.

In the workplace personnel handling and using this product are recommended to wear long sleeved body covering clothing, protective gloves e.g. PVC coated gloves, eye protection (see above), PVC apron and for some operations 'rubber' or PVC footwear. Selection of protective clothing can be guided by reference to AS/NZS 4501*.

Remove contaminated clothing promptly. Wash contaminated clothing before re-use.

Hygiene Measures

It is good practice, both in the recreational area and the workplace, to avoid eye and skin contact.

In addition it is a good practice to wash face, hands and arms before eating, drinking or smoking after using this product or at the end of a work period.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WHITE-GREY SLURRY	Solubility (Water)	0.2% @ 25 C
Odour	Odourless	Specific Gravity	1.25 at 20 deg C
Boiling Point	Not determined		
pH	4.8-5.2	Vapour Pressure	Unknown
Flash Point	NOT APPLICABLE	Flammability	NOT FLAMMABLE
Auto Ignition Temp	NOT APPLICABLE	Flammable Limit Lower	NOT APPLICABLE
Flammable Limit Upper	NOT APPLICABLE		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under normal conditions

Conditions to avoid

Shock or vibrations.

Incompatible Materials

Oxidising Agents

Hazardous Decomposition Products

Oxides of carbon and nitrogen, Cyanic acid, ammonia.

Possibility of hazardous reactions

None known

Hazardous Polymerization

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Acute oral toxicity: LD50 3400 mg/kg (mouse), 7700 mg/kg (rat)

Acute dermal toxicity (rabbit) LD50 >5000 mg/kg

Skin irritation:

Eye Irritation (rabbit): eye irritation
Sensitisation: May be skin sensitive.

Ingestion

No known effects.

Inhalation

No known effects. Inhalation of powder or fine particles may cause irritation or a cough.

Skin

May cause slight skin irritation.

Eye

May cause mild eye irritation.

Chronic Effects

None known

12. ECOLOGICAL INFORMATION

Ecological information

This material is believed to be practically non-toxic to aquatic life.

Cyanuric acid biodegrades readily under a variety of natural conditions, and particularly well in anaerobic conditions.

Known Harmful Effects on the Environment

Very toxic to aquatic life.

Environmental Protection

Cyanuric acid is toxic to certain plants including barley and radishes due to the acidic nature of the material.

13. DISPOSAL CONSIDERATION

Waste Disposal

Dispose of waste materials in accordance with relevant state, territorial or Commonwealth waste disposal regulations.

Container Disposal

Triple rinse 'empty' containers with water. Return rinsed containers to plastic recycle system or include in general waste disposal system. In recreational usage triple rinse containers with pool or

spa water before disposal. DO NOT use “empty” or rinsed containers for storage or packaging of other liquids or foodstuffs.

14. TRANSPORT INFORMATION

Transport Information

Product is not regarded as a Dangerous Good according to ADG 7.7

U.N. Number Nil

UN proper shipping name

None specified.

Transport hazard class (es)

Not Classified.

Packing Group Not Classified

Hazchem Code Not Classified

15. REGULATION INFORMATION

Regulatory information

Poisons Schedule

Classified as a **Schedule 5 Poison** by SUSMP

Packaging and Labelling

Packaging and Labelling as per ADG & SUSMP requirements

Australia (AICIS)

Principal active components of this product are included in the Australian Inventory of Chemical Substances (AICIS)*

16. OTHER INFORMATION

Date of preparation or last revision of SDS

Safety Data Sheet (SDS) issued on 31st October 2022. SDS is prepared in compliance with the National Code of Practice for Preparation of SDS*.

References

*Agricultural and Veterinary Chemicals Code (Listed Chemical products – Home Swimming Pool and Spa Products) Standard 2014. APVMA

* APVMA = Australian Pesticide and Veterinary Medicine Authority.

- *GHS = Globally Harmonised System for the classification and labelling Hazardous Chemicals. United Nations Publication.
- *ADG = Australian Dangerous Goods Code 7.7 Edition 2020
- *NES = National Exposure Standard = Exposure Standards for Atmospheric Contaminants in the Occupational Environment in Exposure Standard section of HSIS, as amended.
- *HCIS = Hazardous Chemicals Information System, maintained by SWA
- *SWA = Safe Work Australia
- *AS = Australian Standard
- *NZS = New Zealand Standard
- *AS/NZS 1716: Respiratory protective devices.
- *AS/NZS 1715: Selection, use and maintenance of respiratory protective devices
- *AS/NZS 1337: Eye protectors for Industrial Applications
- *AS/NZS 1336: Recommended practices for eye protection in the Industrial Environment
- *AS/NZS 4501: Protective Clothing – Protection against Chemicals
- *National Poisons Standard (Standard for the Uniform Scheduling of Medicines and Poisons,) Therapeutics Goods Authority. Refer to Commlaw website.
- *AICIS = Australian Inventory of Chemical Substances maintained by National Industrial Chemicals Notification and Assessment Scheme.
- *National Model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, Safe Work Australia.

Contact Person/Point

BUSINESS HOURS: Product Information Officer, 0429 625 750

This SDS summarises our best knowledge of the health and safety hazard information of this product and how to safely handle and use the product. Each user must review this SDS in the context of how the product will be handled and used. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

As far as lawfully possible, Bond Chemicals Pty Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

END OF SDS