

Medigene®

MEDIGENE CHLORAMINE

SAFETY DATA SHEET VERSION 1.1 • 5TH JANUARY 2021

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: Chloramine
 OTHER NAME: Sodium p-toluenesulfonchloramide
 RECOMMENDED USE: Disinfectant for use on surfaces, skin and in aquaculture farms; biocide

SUPPLIER NAME: VHS
 ADDRESS: P.O. Box 13, Pokeno
 AUCKLAND
 Phone: +64 9 233 6007
 Emergency Telephone: International: +643 479 7227
 New Zealand: 0800 764 766 (NZ NATIONAL POISON CENTRE)

2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION: **HAZARDOUS** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Hazard statement: **DANGER**

HSNO classes: **6.1D, 6.5A, 8.2B**

HAZARD CATEGORY (GHS):

- Acute oral toxicity: Category 4
- Skin corrosion/irritation: Category 1B
- Respiratory sensitisation: Category 1



Hazard statement codes:

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H334 If inhaled, may cause allergy, asthma or breathing difficulties.
- EUH031 Contact with acids liberates toxic gas.

Prevention statements:

- P101 Keep packaging on hand if medical advice required.
- P102 Keep out of reach of children.
- P103 + P104 Read label and safety data sheet before use.
- P260 Do not breathe/inhale dust/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective clothing, gloves and eye protection.
- P285 In case of inadequate ventilation wear respiratory protection.

Response statement codes:

- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Immediately remove contaminated clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse.
- P304 + P340 IF INHALED: Breathe fresh air. Rest in a comfortable position.
- P310 Immediately call a POISON CENTER or doctor/physician if symptoms persist and/or respiratory problems.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.

Storage statement codes:

- P405 Store locked up.

Disposal Statement:

- P501 – Do not let this product enter the environment. Do not dispose of in waterways or sewers.
- Dispose of this material and its container as hazardous waste, via a licensed facility. See local council
- for disposal/recycling information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients below are considered either hazardous, dangerous goods or poison scheduled according to the criteria of SWA, AUG Code and SUSDP (respectively) at the levels used in the product.

INGREDIENT	CAS No.	PROPORTION (%)
Sodium p-toluenesulfonchloramide, trihydrate	007080-50-4	100%

4. FIRST AID MEASURES

Causes injury to the cornea and eyelids. Causes burns. May cause sensitization by inhalation and skin contact.

GENERAL: Obtain medical attention immediately (show this Safety Data Sheet).

INGESTION: Rinse mouth out with water if conscious. Do NOT induce vomiting.

EYE CONTACT: Flush with water for several minutes. Remove contact lenses. Continue rinsing for at least 15 minutes.

SKIN CONTACT: Wash hands thoroughly after handling.

INHALATION: Move to fresh air, rest, half upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty breathing. Seek medical advice after significant exposure.

FIRST AID FACILITIES: Provide eye baths and safety showers close to areas where splashing may occur.

5. FIRE FIGHTING METHODS

EXTINGUISHING MEDIA: Foam, powder, waterspray, carbon dioxide.

GENERAL MEASURES: Clear fire area of all non-emergency personnel. Stay upwind. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

FIRE AND EXPLOSION HAZARD: In case of fire and/or explosion do not breathe fumes

HAZARDOUS PRODUCTS OF COMBUSTION: Emits toxic fumes under fire conditions (hydrochloric acid (HCl), nitrous gases (NOx), sulphur dioxide (SO₂)).

PERSONAL PROTECTIVE EQUIPMENT: Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.

HAZCHEM CODE: NONE

6. ACCIDENTAL RELEASE MEASURES (THIS APPLIES TO THE SPILLAGE OF BULK, NEAT PRODUCT)

PERSONAL PRECAUTIONS: Do not breathe dust. Avoid contact with skin and eyes. For personal protection see Section 8.

ENVIRONMENTAL PRECAUTIONS: Do not allow to escape into sewage system or water courses.

CLEAN UP PROCEDURES: Collect as much as possible in a clean container for (preferable) reuse or disposal. Flush remainder with water.

7. HANDLING AND STORAGE

HANDLING: Ensure an eye bath is available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid contact with eyes, skin and clothing. Do not smoke, eat or drink when handling product. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

STORAGE: Keep in a cool place. Keep container tightly closed and dry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS: Avoid inhalation of dusts

PPE: RESPIRATOR: In case of dust formation use dust mask (respirator with filter P2).

EYES: Safety glasses or goggles.

HANDS: Chemical resistant protective gloves (AS2161).

CLOTHING: Chemical-resistant coveralls and safety footwear (AS3765/2210).

OTHER INFORMATION: Remove contaminated clothing. Launder clothes before reuse.

EXPOSURE LIMIT: In this country no exposure limit has been established.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Solid

APPEARANCE: Crystalline powder

COLOUR: White

ODOUR: Slight chlorine

pH: 8.0 - 10.3 (5% solution)

DENSITY: 1430kg/m³

BULK DENSITY: 540-680kg/m³
 FLASH POINT: 192°C (Pensky-Martens, closed cup)
 VAPOUR PRESSURE: No Data Available
 VAPOUR DENSITY: No Data Available
 BOILING POINT: Not applicable
 FREEZING POINT: Decomposes
 FLAMMABILITY: No Data Available
 EXPLOSIVE PROPERTIES: No Data Available
 OXIDISING PROPERTIES: No Data Available
 SOLUBILITY IN WATER: 150g/l (25°C)
 SOLUBILITY IN ETHANOL: (95%): 75g/l (20°C)
 SHELF LIFE: 2 years from date of manufacture (when stored as directed).

10. STABILITY AND REACTIVITY

GENERAL INFORMATION: Stable under normal conditions of use.
 CHEMICAL STABILITY: Stable under recommended storage and handling conditions (see section 7).
 CONDITIONS TO AVOID: Unstable in contact with water vapour. Contact with acids liberates toxic gas.
 MATERIALS TO AVOID: Water vapour, acids.
 HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine.

11. TOXICOLOGICAL INFORMATION (Akzo Nobel E-file)

ACUTE TOXICITY

ORAL LD₅₀: Rat, mouse: ±1000mg/kg.
 INHALATION LC₅₀: Rat > 0.275mg/l (4 hours) (max. attainable concentration).

IRRITATION

SKIN: Moistened powder: Corrosive.
 8% solution: Non-irritating.
 EYE: Moistened powder: Severely irritating.
 8% solution: Moderately irritating.
 0.5% solution: Non-irritating.
 SENSITIZATION: May cause sensitization by inhalation and skin contact.
 GENOTOXICITY: Ames test: Not mutagenic.

MICRONUCLEUS TEST: Not mutagenic.

OTHER INFORMATION: Subchronic (90 days) oral toxicity, rat: No Observed Effect Level 15mg/kg/day.

12. ECOLOGICAL INFORMATION (Akzo Nobel E-file)

ECOTOXICITY:

FISH: 96h-LC₅₀ (*Poecilia reticulata*) : 31 mg/l.
 DAPHNIA: 48h-EC₅₀ : 4.5 mg/l.
 DEGRADATION BIOTIC: Readily biodegradable (At low concentrations).
 p-Toluenesulfonamide (hydrolysis product) : Readily biodegradable
 OTHER INFORMATION: Daphnia magna reproduction test: No Observed Effect Concentration (NOEC) > 1 mg/l.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION: Dispose of in accordance with all local, regional and national regulations. All empty packaging should be disposed of in accordance with local, regional, and national regulations or recycled/reconditioned at an approved facility.
 SPECIAL PRECAUTIONS FOR LANDFILL: Containers should be rinsed and disposed of in line with any requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

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.
 UN NUMBER: 3263
 PROPER SHIPPING NAME: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium p-toluenesulfonchloramide)
 CLASS: 8
 SUBSIDIARY CLASS: None
 PACKING GROUP: III

MARINE TRANSPORT: Classified as DANGEROUS GOODS by International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN NUMBER: 3263
PROPER SHIPPING NAME: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium p-toluenesulfonchloramide)
CLASS: 8
SUBSIDIARY CLASS: None
PACKING GROUP: III
MARINE POLLUTANT: No

AIR TRANSPORT: Classified as DANGEROUS GOODS by International Air Transport Association (IATA) for transport by air.

UN NUMBER: 3263
PROPER SHIPPING NAME: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium p-toluenesulfonchloramide)
CLASS: 8
SUBSIDIARY CLASS: None
PACKING GROUP: III

15. REGULATORY INFORMATION

COUNTRY/ REGION: New Zealand
GROUP STANDARD: HSR002526 - Cleaning Products (Corrosive) Group Standard 2017
HSNO CLASSIFICATIONS: **6.1D, 6.5A, 8.2B**

16. OTHER INFORMATION

SDS ISSUE NUMBER: 001
SDS ISSUE DATE: 5/1/2021
REASON(S) FOR ISSUE: Rebranded product.

THIS ISSUE NUMBER REPLACES ALL PREVIOUS ISSUES. To be reviewed/updated within 5 years of the last date of issue.

LEGEND:

AS1336/1337: Industrial Eye Protection – Metric Units (Standards Australia).
AS1715/1716: Respiratory Protection Devices – Metric Units (Standards Australia).
AS2161: Industrial Safety Gloves and Mittens (Standards Australia).
CAS: Chemical Abstracts Service.
EC₅₀: Concentration which induces a response halfway between the baseline and maximum.
GHS: Globally Harmonised System.
HSNO: Hazardous Substances and New Organisms.
IMDG: International Maritime Dangerous Goods.
LC₅₀: Concentration required to kill half the members of a tested population after a specified duration.
LD₅₀: Dosage required to kill half the members of a tested population after a specified duration.
NOEC: No Observed Effect Concentration.
NZIOC: New Zealand Inventory of Chemicals.
PPE: Personal Protection Equipment
SDS: Safety Data Sheet.

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and how to safely handle and use the product in the work place. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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End of SDS