



MATERIAL SAFETY DATA SHEET

METHAM SODIUM CLASS 8

COMPANY DETAILS

Company: Imtrade Australia

Address: Suite 22/11 Preston St, Como WA 6152

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Emergency Telephone number: Office hours 08 9368 7444 A/H 0438 922 133

STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia.

| | |
|------------|--|
| R 22 | Harmful if swallowed. |
| R 31 | Contact with acids liberates toxic gas. |
| R 34 | Causes burns. |
| R 43 | May cause sensitization by skin contact. |
| R 50 | Very toxic to aquatic organisms. |
| R 53 | May cause long-term adverse effects in the aquatic environment. |
| S 1/2 | Keep locked away and out of reach of children. |
| S 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S 36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S 45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) |
| S 60 | This material and/or its container must be disposed of as hazardous waste. |
| S 61 | Avoid release to the environment. Refer to special instructions. Safety data Sheet. |
| Xn | Harmful |

PHYSICAL/CHEMICAL CHARACTERISTICS

Uses:

Product Name: Metham Sodium Class 8

Chemical:

UN number: 3267
DG class: 8
Packing Group: III
Hazchem code: 2X
Appearance: Yellow liquid
Flashpoint: Not flammable.
Solubility In Water: Miscible with water.
Specific Gravity:
Flammability: Not flammable
Poisons Schedule:

STABILITY AND REACTIVITY DATA

Chemical Stability:

Materials to Avoid: Decomposes slowly in presence of acids.
Corrosive to Cu, Zn, etc.

Hazardous Polymerization:

Hazardous Reactions Products:

HEALTH HAZARD DATA

Engineering controls:

No special information.
Local exhaust is recommended.

Extinguishing Media:

Carbon dioxide, (CO₂) dry chemicals, waterspray, alcohol resistant fire fighting foam.

Protective equipment:

HEALTH EFFECTS:

Eye:

Ingestion:

Harmful by ingestion.

Inhalation:

Harmful by inhalation.

Skin:

Corrosive in contact with skin.

FIRST AID:

Eye:

Flush immediately with plenty of water for at least 15mins.
If irritation persists, get medical attention.

Ingestion:

Give large quantities of water to drink.
Do not induce vomiting.
Treat symptomatically.
If swallowed, seek medical advice immediately and show this container or label

Inhalation:

Remove immediately from exposure.
Remove patient to fresh air.
If breathing is difficult give oxygen.
Apply artificial respiration if patient is not breathing.
Seek medical treatment when anyone has symptoms apparently due to inhalation.

Skin:

Take off immediately all contaminated clothing.
Wash thoroughly with soap and water.
If irritation persists seek medical attention.

ADVICE TO DOCTOR -

Treat symptomatically.

SAFE HANDLING INFORMATION

Storage and Transport

Store and handle in accordance with all current regulations and standards.
Keep in the original container in a cool well ventilated place.
Do not re-use containers.
Do not store above 35C.

Handle in accordance with good industrial hygienic and safety procedures.
Avoid eye and skin contact.
Avoid inhalation of aerosol or vapor.
Have eye bath immediately available at any location where eye contact can occur.
Provide an emergency shower in the immediate work area.
Refer – Australian Dangerous Goods Code.
Class 8
UN 3267
Packing Group III
Marine Pollutant: Yes
Hazchem: 2X
Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s.

Spill and Disposal:

Avoid contact with skin, eyes and clothing.
Keep all non-essential personnel away from area.
Keep upwind.

Contain leaking liquid with absorbing materials or flush area with water if sewers are linked with an appropriate sewage treatment plant or contain with sand or earth and clean up according to local regulations.

Absorb contaminated water in earth or sand for later disposal.

Dispose in accordance with local EPA regulations. Send to special chemical disposal facility.

Personal Protection:

Individual protection – eye: Wear safety goggles
Wear face protection.

Individual protection – hands: Wear neoprene gloves.
Individual protection is to be defined, depending on the concentration and quantity of the product, as well as the working place. Verify together with the supplier if the protection level is adequate for the specific use.

Individual protection – respiration: In confined areas or in case of insufficient ventilation, wear suitable respiratory equipment.
In low concentration - mask with filter cartridge (type ABEK)
In high concentration - wear self-contained breathing apparatus.
Must be suitable for specific use and compliance with the appropriate legislation.

Individual protection – skin: Wear full protective clothing.
Individual protection is to be defined, depending on the concentration and the quantity of the product, as well as the working place. Verify together with the supplier if the protection level is adequate for the specific use.

TOXICITY:

Information on the product: N.B. typical values of a <= 510g/l solution.
Acute oral toxicity LD50 (rat): 896mg/kg
LC Acute inhalation toxicity (rat): 2.54mg/l (4h)
[1.98 mg/l (1h) - “Methyl Isothiocyanate].

LD50 dermal rat: > 2000 mg/kg
Corrosive for skin.
Not irritating to eyes (rabbit)
Guinea Pig: dermal sensitizing agent.
High does induce lowered body weight.
Target organs: nasal inner lining, liver, kidney, bladder
Genotoxicity: negative.
Carcinogenesis: not found to be carcinogenic in test animals.
Reprotoxicity: no foetotoxicity or teratogenicity after oral administration.

Human Experiences: Can cause sever burns
Headache, nausea
Respiratory disorder
Eye irritation

ENVIRONMENTAL PROTECTION:

Prevent contamination of soil, drains and surface water.
Contain leaking liquid with sand, earth or absorbent material for organic liquids.
Small spillage: flush area with water if sewers are linked with an appropriate sewage treatment plant.

Ecological Information (*) EC50 daphnia magna (48 h.) 1-10 mg/l
LC50 fish (96 h.) 0,10 – 100 mg/l*
EC50/72h/algae 0.56mg/l
IC50/3h/bacteria 4.36 mg/l

Mobility: Koc = < 50

Persistence and degradability: Readily biodegradable in the aquatic environment.

Bioaccumulative potential: This material has a low potential to bioaccumulate in the aquatic species.

CONTACT POINT:

Emergency Contact Number: Office 9368 7444 A/H 0438 922133

This MSDS summaries our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this 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 on request.