



Safety Data Sheet

Hexamine Solution 3%

SECTION 1: Identification

1.1 GHS Product identifier

Product name Hexamine Solution 3%

Product number HEXA3-500M
Brand Hurstchem

1.2 Other means of identification

Methenamine, Hexamethylene Tetramine

1.3 Recommended use of the chemical and restrictions on use

Laboratory Reagent

1.4 Supplier's details

Name Hurst Scientific
Address 2/36 Hensbrook Loop
6112 Forrestdale WA
Australia

Telephone 1300 778 068
email sales@hurstscientific.com.au

1.5 Emergency phone number

Australian Poisons Information Centre 131 126
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, oral, Cat. 5
 - Skin corrosion/irritation, Cat. 1B
 - Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements.

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Pictograms



1. Exclamation mark; 2. Corrosion

Signal word

Warning

Hazard statement(s)

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H319

Causes serious eye irritation.

Precautionary statement(s)

P264

Wash ... thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P301+P312

IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,

P330

Rinse mouth.

P501

Dispose of contents/container to ...

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363

Wash contaminated clothing before reuse.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310

Immediately call a POISON CENTER/doctor/...

P321

Specific treatment (see ... on this label).

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P405

Store locked up.

P337+P313

If eye irritation persists: Get medical advice/attention.

2.3 Other hazards which do not result in classification.

Classified as a NON-Dangerous goods according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Hexamethylenetetramine

Concentration

3 % (volume)

CAS no.

100-97-0

2. Water

Concentration

Balance

CAS no.

7732-18-5

SECTION 4: First-aid measures

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4.1 Description of necessary first-aid measures

| | |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled | Evacuate to fresh air immediately. If unconscious place in recovery position, provide artificial respiration with a mechanical device if breathing ceases. Seek medical attention immediately. |
| In case of skin contact | Remove contaminated clothing and wash affected area with soap and water thoroughly. Seek immediate medical attention. |
| In case of eye contact | Flush eyes with copious amounts of water for at least 15 minutes. Seek immediate medical attention. |
| If swallowed | DO NOT induce vomiting. Wash mouth out with copious amounts of water and seek immediate medical attention. |
| Personal protective equipment for first-aid responders | |
| First aid facilities Eye wash station, safety shower and First Aid kit. | |

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use Water spray, Carbon Dioxide, dry chemical or foam.

5.2 Specific hazards arising from the chemical.

Toxic gases may evolve.

5.3 Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

Further information

Hazchem code None allocated.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Ensure adequate ventilation and avoid contact with skin and eyes. Do not breathe mist/vapour. If possible, contain the spill. Evacuate all unnecessary personnel.

6.3 Methods and materials for containment and cleaning up.

Absorb with vermiculite or similar inert material and place into a suitably labelled container. Dispose of waste according to local authority guidelines. Do not contaminate drains or waterways.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in an adequately ventilated area. Wear appropriate protective clothing to avoid any exposure and practice good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities.

Store in a cool, dry, well-ventilated area away from direct sunlight and incompatibles. Keep containers tightly closed.

SECTION 8: Exposure controls/personal protection

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8.2 Appropriate engineering controls

Ensure an adequate ventilation or exhaust system is in place.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirators when necessary.

Eye/face protection

Safety glasses or goggles with side shields.

Skin protection

Gloves and laboratory coat.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

| | |
|----------------------------------------------------------|--------------------------|
| Physical state | Liquid |
| Appearance | Clear, colourless liquid |
| Odor | Amine-like odour |
| Melting point/freezing point | N/A |
| Boiling point or initial boiling point and boiling range | N/A |
| Flammability | Non-combustible |
| Lower and upper explosion limit/flammability limit | N/A |
| pH | N/A |
| Solubility | N/A |
| Vapor pressure | N/A |
| Density and/or relative density | N/A |
| Relative vapor density | N/A |

SECTION 10: Stability and reactivity

10.1 Reactivity

Non-reactive under recommended conditions for use and storage.

10.2 Chemical stability

Stable under recommended conditions for use and storage.

10.3 Possibility of hazardous reactions

Polymerisation will not occur.

10.4 Conditions to avoid.

High temperatures and direct sunlight.

10.5 Incompatible materials

Strong oxidisers, acids, and Peroxide compounds.

10.6 Hazardous decomposition products

Toxic gases may evolve.

SECTION 11: Toxicological information

Information on toxicological effects

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Skin corrosion/irritation

May cause allergic skin reaction.

Serious eye damage/irritation

No classification.

Respiratory or skin sensitization

No classification.

Germ cell mutagenicity

No classification.

Carcinogenicity

Not an IARC listed chemical.

Reproductive toxicity

No classification.

Specific target organ toxicity (STOT) - single exposure.

No classification.

Specific target organ toxicity (STOT) - repeated exposure.

No classification.

Aspiration hazard

No classification.

Additional information

HEALTH EFFECTS:

Eye Contact: May cause irritation, redness, and pain.

Skin Contact: May cause irritation, drying of the skin, redness, itching and pain. Repeated exposure or prolonged contact may cause an allergic skin reaction.

Inhalation: May cause irritation to the mucous membranes of the upper respiratory tract resulting in headache, shortness of breath, nausea, and vomiting.

Ingestion: May cause irritation to the gastrointestinal tract resulting in headaches, abdominal pain, nausea, vomiting and diarrhoea.

SECTION 12: Ecological information

Toxicity

N/A

Persistence and degradability

N/A

Bioaccumulate potential

Not expected to bio-accumulate.

Mobility in soil

N/A

Environmental fate (exposure)

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Do not contaminate drains and waterways.

SECTION 13: Disposal considerations

Product disposal

Dispose of in accordance with local authority guidelines.

Packaging disposal

Dispose of in accordance with local authority guidelines.

Other disposal recommendations

Special precautions Nil.

SECTION 14: Transport information

| | | |
|------|------------------------------------------------|------|
| 14.1 | UN Number | None |
| 14.2 | UN Proper Shipping Name | None |
| 14.3 | Transport hazard class(es) | None |
| 14.4 | Packing group | None |
| 14.5 | Environmental hazards | None |
| 14.6 | Special precautions for user | None |
| 14.7 | Transport in bulk according to IMO instruments | None |

SECTION 15: Regulatory information

15.2 Chemical Safety Assessment

Poison Schedule: Not scheduled.

SECTION 16: Other information

16.1 Further information/disclaimer

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

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16.2 Preparation information

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Can print: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).