



SAFETY DATA SHEET

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Issue Date: 29th October 2013
BIOCIDE 320
Version: 1

Product name: BIOCIDE 320

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)
ADDRESS: PO Box 322 Castle Hill NSW 1765
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009
FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: BIOCIDE 320

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-3049

USE: Bactericide for preservation of water dispersible metal working fluids.

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: www.hi-tecoils.com.au
Email: hitecoils@hi-tecoils.com.au

2. HAZARDS IDENTIFICATION

HAZARDOUS CLASSIFICATION: Classified as hazardous, according to criteria of National Occupational Health and Safety Commission, Australia (NOHSC).
Classified as hazardous, according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Not classified as Dangerous Goods for transport, according to the NZS 5433:1999 Transport of Dangerous Goods on Land.

RISK PHRASES: R22 Harmful if swallowed.
R43 May cause sensitization by skin contact.
R36/38 Irritating to eyes and skin

SAFETY PHRASES: S24/S25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection



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3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Proportion</u>
Ingredients determined not to be hazardous, including water		10% - 40%
1,3,5-Triazine-1,3,5 (2H,4H,6H)-treithanol	4719-04-4	60% - 90%

4. FIRST AID MEASURES

For advice in an emergency contact a Poisons Information Centre on 131 126 (Australia) or a doctor.

SWALLOWED:	DO NOT induce vomiting. Rinse mouth thoroughly with water. Seek immediate medical attention.
EYE:	Irrigate the eye with copious amounts of water for several minutes. Seek medical attention
SKIN:	Wash with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation occurs.
INHALED:	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear. Keep at rest. If symptoms persist seek medical attention.
FIRST AID FACILITIES:	Ensure eye bath and safety shower are available and ready for use.
ADVICE TO DOCTOR:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

HAZARDS FROM COMBUSTION PRODUCTS:	Under fire conditions this product will decompose and emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, nitrogen oxides and formaldehyde.
EXTINGUISHING MEDIA:	Extinguish fire with foam, chemical powder, carbon dioxide, water spray or water fog.
SPECIFIC HAZARDS:	The product is non-flammable, however the organic components will burn or decompose under fire conditions giving off toxic fumes and smoke.
PRECAUTIONS:	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.



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6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:

Evacuate all unnecessary personnel. Wear sufficient respiratory protection and protective clothing to minimise respiratory, skin and eye exposure. Stop the leak if safe to do so, and contain spill. Prevent spillage from entering drains or waterways. Collect spilled material into labelled containers for recycling or disposal. Clean up spillage area, and prevent runoff from washing entering drains and waterways. If the spilled material enters the waterways contact the Environmental Protection Authority or you local Waste Management Authority.

7. HANDLING AND STORAGE

CONDITIONS FOR STORAGE:

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. Keep containers closed when not in use and securely seal and protect against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area.

PRECAUTIONS FOR SAFE HANDLING:

Prevent the creation of vapour or mist in workplace. Wear appropriate proactive equipment to prevent inhalation, skin and eye contact. Keep containers closed when not in use. Maintain a high level of personal hygiene practices, i.e. always wash hands after handling the product, and prior to eating, drinking, smoking or using the toilet facilities.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS:

No exposure standards have been established for the mixture by the Australian National Occupational Health and Safety Commission (NOHSC) or the Occupational Safety and Health Service (OHS) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reaction and should be kept to the least possible levels.

ENGINEERING CONTROLS:

Provide sufficient ventilation to keep airborne concentrations to least possible levels. Where vapours or mist are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system should be used.

RESPIRATORY PROTECTION:

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

EYE PROTECTION:

Safety glasses with side shields or chemical goggles should be worn. Eye protection devices should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

HAND PROTECTION:	Wear laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves.
BODY PROTECTION:	Suitable protective workwear should be worn, e.g. cotton overalls buttoned at neck and wrist.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear colourless to yellow liquid
ODOUR:	Slight amine odour
SPECIFIC GRAVITY:	1.15 @ 20°C.
SOLUBILITY IN WATER:	Soluble
pH VALUE:	10.0 (2g/L solution at 20°C)
VAPOUR PRESSURE:	2.5 kPa approx. at 20°C
BOILING POINT:	>100°C
FLASH POINT:	>100°C (DIN 51758)
AUTO-IGNITION TEMPERATURE:	>200°C (DIN 51794)
FLAMMABLE LIMITS – LOWER:	Not Available
FLAMMABLE LIMITS – UPPER:	Not Available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	Incompatible with oxidising agents and strong acids
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION:	Acute LD50 (oral, rat): 763 mg/kg Acute LD50 (dermal, rat) > 2000 mg/kg Primary skin irritation (rabbit): Irritant (OECD 404) Primary eye irritation (rabbit): Irritant (OECD 405)
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11. TOXICOLOGICAL INFORMATION (CONT.)

INGESTION:	Harmful if swallowed. Ingestion of this product may cause irritation to the gastric tract and upper respiratory tract, causing headache, nausea, diarrhoea and vomiting.
EYE CONTACT:	Contact with liquid will cause irritation to the eyes, resulting in redness and excessive tearing
SKIN CONTACT:	Skin contact will result in irritation. May also cause sensitisation by skin contact.
INHALATION:	Inhalation of vapours or mists may cause irritation to the respiratory system.
CHRONIC EFFECTS:	Not available

12. ECOLOGICAL INFORMATION

PERSISTENCE / DEGRADABILITY:	COD-Value: 1120 mg O ₂ /g BOD ₅ -Value: 800 mg O ₂ /g
MOBILITY:	Not available
BIOACCUMULATIVE POTENTIAL:	Not available
ENVIRONMENT PROTECTION:	Do not allow product to enter drains, waterways or sewers.
ACUTE TOXICITY- FISH:	LC ₅₀ (96h): 10 – 100 mg/L (Brachydanio rerio)

13. DISPOSAL CONSIDERATIONS

DISPOSAL:	The spilled or waste material must be disposed of in accordance with relevant local, state or federal regulations.
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14. TRANSPORT INFORMATION

TRANSPORT INFORMATION:	Australia: Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. New Zealand: Not Classified as Dangerous Goods according to New Zealand Standards 5433:1999 – Transport of Dangerous Goods on Land.
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15. REGULATORY INFORMATION

REGULATORY INFORMATION:	Australia: Classified as hazardous, according to criteria of National Occupational Health and Safety Commission, Australia (NOHSC). Not scheduled according to the Standard for the Uniform Scheduling of Drugs and Poisons, 2004 (No. 19).
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15. REGULATORY INFORMATION

REGULATORY INFORMATION:	Australia: Classified as hazardous, according to criteria of National Occupational Health and Safety Commission, Australia (NOHSC). Not scheduled according to the Standard for the Uniform Scheduling of Drugs and Poisons, 2004 (No. 19).
	New Zealand: Classified as hazardous, according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Not scheduled according to the New Zealand Toxic Substance Regulation 1983.
POISONS SCHEDULE:	Not Scheduled
HAZARD CATEGORY:	Harmful, Irritant
AICS (AUSTRALIA):	All constituent chemicals are listed on the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

CONTACT PERSON/POINT: Product Manager Industrial 03 9680 8000

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions. If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Material Safety Data Sheets are updated frequently. Please ensure you have a current copy.

- LITERATURE REFERENCES:**
- * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
 - * NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
 - * NOHSC: 10005 List of Designated Hazardous Substances.
 - * NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
 - * NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
 - * NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
 - * NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
 - * NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
 - * NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
 - * SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
 - * ADG: Australian Dangerous Goods Code
 - * MSDS of component materials.

JN310192/1

END OF MSDS



AUSTRALIAN FAMILY OWNED SINCE 1989

