



SAFETY DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

ISSUED SEPTEMBER 2020 (VALID 5 YEARS FROM THE DATE OF ISSUE)

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

| | | | |
|----------|--|---------|-------------------------------|
| SUPPLIER | CHEMTOOLS PTY LTD | PHONE | 1300 738 250 (Business Hours) |
| ADDRESS | Unit 2, 14 – 16 Lee Holm Road ST MARYS NSW 2760 | FAX | 02 9623 3670 |
| | | WEBSITE | www.chemtools.com.au |

| | | | |
|---------------|---|----------------------|------------------------------|
| PRODUCT NAME | GalMax™ 90 Cold Galvanising Paint - Sprayable | | |
| PART NUMBER | CT-CGS | PRODUCT TYPE | Primer |
| PRODUCT USE | Corrosion resistant primer for ferrous metals | | |
| CREATION DATE | July 2018 | LATEST REVISION DATE | Refer to date of issue above |

SECTION 2: HAZARDS IDENTIFICATION

Statement of Hazardous Nature Classified as HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

SUSMP Classification Schedule 6

ADG Classification Classified as DANGEROUS GOODS by the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land

UN Number 1263, PAINTS (XYLENE)

Hazchem Code 3Y

Packing Group III

GHS Signal Word DANGER

GHS Hazard Pictograms



HAZARDOUS CLASSIFICATIONS

| | |
|--|-----------------------------|
| Flammable Liquids | Category 3 |
| Aspiration Hazard | Category 1 |
| Specific Target Organ Toxicity (Single Exposure) | Category 3 Narcotic Effects |
| Specific Target Organ Toxicity (Repeated Exposure) | Category 2 |
| Acute Toxicity Inhalation | Category 4 |
| Acute Toxicity Dermal | Category 4 |
| Chronic Hazard to the Aquatic Environment | Category 1 |
| Serious Eye Damage/Irritation | Category 2B |

HAZARD STATEMENTS

H226 Flammable liquid and vapour.

POISONS INFORMATION CENTER: 13 1126 FROM ANYWHERE IN AUSTRALIA (0800 764 766 FROM NEW ZEALAND)



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| | |
|------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged and repeated exposure. |
| H332 | Harmful if inhaled. |
| H312 | Harmful in contact with skin. |
| H320 | Causes eye irritation. |
| H410 | Very toxic to aquatic life with long lasting effects. |

PREVENTION PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical, ventilating, lighting and all other equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe dust, fumes, gas, mist, vapours, or spray. |
| P262 | Do not get in eyes, on skin, or on clothing. |
| P264 | Wash hands, face and all exposed skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P273 | Avoid release to the environment. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective clothing, gloves, eye/face protection and suitable respirator. |
| P391 | Collect spillage. |

RESPONSE PRECAUTIONARY STATEMENTS

| | |
|----------------|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P301+P310 | IF SWALLOWED: immediately call a POISON CENTER or doctor. |
| P302+P352 | IF ON SKIN: Wash with plenty of water/soap. |
| P303+P361 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P312 | Call a POISON CENTER or doctor if you feel unwell. |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P331 | Do NOT induce vomiting. |
| P331+P313 | If skin irritation occurs, get medical advice/attention. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |

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- P362 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire, use carbon dioxide or dry chemical foam for extinction.
Sand or earth may be used for small fires only for extinction.

STORAGE PRECAUTIONARY STATEMENTS

- P403 Store in a dry, well-ventilated place
P233+P235 Keep container tightly closed. Keep cool.
P405 Store locked up.

DISPOSAL PRECAUTIONARY STATEMENTS

- P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

| Chemical Entity | CAS Number | Proportion |
|---|------------|------------|
| Zinc Powder | 7440-66-6 | 40 – 60% |
| Xylene | 1330-20-7 | 25 – 50% |
| Solvent naphtha petroleum, light aromatic | 64742-95-6 | < 10% |
| 2-Propanol, 1 methoxy-acetate | 108-65-6 | < 10% |
| Naphtha petroleum, hydrodesulfurised heavy | 64742-82-1 | < 10% |
| Other ingredients not considered to be hazardous rounding to 100% | | |

SECTION 4: FIRST AID MEASURES

- General Advice** If poisoning occurs, contact a doctor or Poisons Information Centre (Australia 13 11 26, New Zealand 0800 764 766).
- Inhalation** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek immediate medical advice if effects persist.
- Skin Contact** Effects may be delayed. If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering

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| | |
|---------------------------|---|
| Eye Contact | occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance. If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital. |
| Ingestion | Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek immediate medical advice. |
| Notes to Physician | Treat symptomatically. Effects may be delayed. |

SECTION 5: FIRE FIGHTING MEASURES

| | |
|-------------------------------------|--|
| Hazchem Code | 3Y |
| Suitable Extinguishing Media | If material is involved in a fire, use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder). |
| Specific Hazards | Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition, and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated, both in and near the work area. DO NOT SMOKE. |
| Fire Fighting Further Advice | Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---------------------|---|
| Small Spills | Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal. |
| Large Spills | If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has |

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occurred advise local emergency services. It is advisable to have a relevant spill kit on hand.

No. 14

Dangerous Goods Initial
Emergency Response Guide

SECTION 7: HANDLING AND STORAGE

Handling

Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or sanding dust.

Storage

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep containers standing upright. Keep containers closed when not in use. Check regularly for leaks.

DANGEROUS GOODS CLASSIFICATION

| Dangerous Goods Class | Packing Group | UN Number | Hazchem Code | Poison Schedule (SUSMP) |
|-----------------------|---------------|-----------|--------------|-------------------------|
| 3 | III | 1263 | 3Y | S6 |

Classified as Dangerous Goods by the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

| Chemical Entity | CAS Number | TWA (ppm) | TWA (mg/m ³) | STEL (ppm) | STEL (mg/m ³) | Notices |
|------------------------------|------------|-----------|--------------------------|------------|---------------------------|---------|
| 1-Methoxy-2-propanol acetate | 108-65-6 | 50 | 274 | 100 | 548 | SK |
| Zinc Powder | 7440-66-6 | - | 10 | - | 3 | - |
| Cumene | - | 25 | 125 | 75 | 375 | SK |
| Xylene | 1330-20-7 | 80 | 350 | 150 | 655 | - |
| Ethyl Benzene | - | 100 | 434 | 125 | 543 | - |

ACGIH TLV (United States, 1/2009, Zinc)

TWA: 10mg/m³ 8 hour(s). Form: Inhalable Particulates (insoluble) Not Otherwise Specified (PNOS).

TWA: 3 mg/m³ 8 hour(s). Form: Respirable Particulates (insoluble) Not Otherwise Specified (PNOS).

As published by Safe Work Australia.

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TWA: The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

SK Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values

As per the national Model regulations for the control of Workplace Hazardous Substances (Safe Work Australia) the ingredients in this material do not have a Biological Limit Allocated

Engineering Measures

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Personal Protection Equipment

SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, RESPIRATOR. Wear safety shoes, overalls, gloves, chemical goggles and respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene Measures

Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------|----------|
| Form | Liquid |
| Colour | Grey |
| Odour | Aromatic |

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| | |
|-----------------------------------|---|
| Solubility | Insoluble |
| Specific Gravity (20°C) | 1.9 – 2.1 |
| Relative Vapour Density (air = 1) | > 1 |
| Vapour Pressure (20°C) | Not Available (Xylene 4.5kPa 50°C) (typical*) |
| Flash Point (°C) | < 23 – 27 (Xylene) |
| Flammability Limits (%) | Not Available |
| Auto Ignition Temperature | Not Available (Xylene 432 – 530) |
| Melting Point/Range (°C) | Not Available |
| Boiling Point/Range (°C) | Not Available (Xylene 136 - 145) |
| pH | Not Applicable |
| Viscosity | Not Available |
| Total VOC (g/Litre) | Not Available |

(*typical: Typical values only. Consult specification sheet)

SECTION 10: STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Chemical Stability | This material is thermally stable when stored and used as directed. |
| Conditions to Avoid | Elevated temperatures and sources of ignition. |
| Incompatible Materials | Incompatible with Oxidising Agents, Natural Rubber, Butyl Rubber, EPDM, Nitrile Rubbers and Polystyrene. |
| Hazardous Decomposition Products | Oxides of Carbon and Nitrogen, smoke and other toxic fumes. |
| Hazardous Reactions | No known hazardous reactions. |

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Zinc Powder: LD50, Oral, Rat: >2000 mg/kg. LC50, Inhalation, Rat: >5700 mg/m³

Xylene: Oral LD50: Rat: 4300 mg/kg. Dermal TClO: Rat (Inhal) LC50: 5000ppm/4hr.

PGMA: Oral LD50: Oral: 8532 mg/kg (rat); Dermal: > 5000 mg/kg (rabbit). Dermal TClO: LC50: 23.49 mg/m³/ 6hr (rat): No signs of toxicity were seen during exposure or upon gross pathological examination.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and over-exposure occurs are:

ACUTE EFFECTS

| | |
|------------|--|
| Inhalation | Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. |
|------------|--|

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| | |
|---------------------|--|
| Skin Contact | Expected to be a skin irritant. Contact with skin will result in irritation. AUH 066 Repeated exposure may cause skin dryness or cracking. |
| Ingestion | Harmful if swallowed. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema. |
| Eye Contact | An eye irritant. |

ACUTE TOXICITY

| | |
|---|--|
| Inhalation | Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. May cause respiratory sensitisation in sensitive individuals, producing asthma-like symptoms. This material has been classified as Non-Hazardous. Acute toxicity estimate (based on ingredients): 20 mg/L. |
| Skin Contact | This material has been classified non-hazardous. Acute toxicity estimate (based on ingredients): 1,000 - 2,000 mg/Kg. |
| Ingestion | This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg |
| Corrosion/Irritancy | Eye: this material has been classified as a Category 2B hazard (reversible effects to eyes). Skin: this material has been classified as a Category 4 hazard (reversible effects to skin). |
| Sensitisation | <u>Inhalation:</u> This material has been classified as not a respiratory sensitiser. <u>Skin:</u> This material has been classified as a not a skin sensitiser. |
| Aspiration Hazard | This material has been classified: Aspiration Hazard Category 1. May be fatal if product enters airways through ingestion or vomiting. |
| Specific Target Organ Toxicity (single exposure) | This material has been classified as a Category 3 Hazard. Exposure via inhalation may cause respiratory irritation, headaches and drowsiness. |

CHRONIC TOXICITY

| | |
|---|--|
| Mutagenicity | This material has been classified as non-hazardous. |
| Carcinogenicity | This material has been classified as non-hazardous. This product may contain up to 10% of ethylbenzene. IARC has evaluated ethylbenzene and classified it as a Possible Human Carcinogen (Group 2B) based on sufficient evidence for cancer in exposed humans. |
| Reproductive Toxicity (including via lactation) | This material has been classified as nonhazardous. However, it is our recommendation that this material be kept away from contact/use by pregnant or lactating mothers. |
| Specific Target Organ Toxicity (repeated exposure) | Over exposure via inhalation may result in depression of the central nervous system. May damage the kidney and liver. There is some evidence of hearing loss |

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Other Health Effects Information

in rats. Solvent abuse and noise interaction in the workplace environment may cause hearing loss.
Persons with pre-existing asthma, liver, kidney, central nervous system and skin complaints should avoid unnecessary exposure to this product. Every effort to protect eyes, respiratory tract and skin exposure should be taken especially in these circumstances.

SECTION 12: ECOLOGICAL INFORMATION

General Information

Avoid contaminating waterways. This material has been classified as a Chronic Hazard to the Environment, Category 1. Very toxic to aquatic life with long lasting effects. Do not empty into drains and collect spillage.

Acute Aquatic Hazard

This material has been classified as a Category 1 hazard. Acute toxicity estimate (based on ingredients): < 1 mg/L

Long-Term Aquatic Hazard

This material has been classified as a Category 1 Chronic Hazard. Non-rapidly or rapidly degradable substances for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, acute toxicity estimate (based on ingredients): < 1 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow > 4

Ecotoxicity

No information available.

Persistence and Degradability

No information available.

Bioaccumulation Potential

No information available.

Mobility

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see Section 8 of this SDS. If possible, material and its container should be recycled. If material or container cannot be recycled, dispose of in accordance with local, regional, national and international Regulations.

SECTION 14: TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the Australian Code for the Transport of dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous of Goods on Land.

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Segregation Dangerous Goods Not to be loaded with explosives (Class 1), flammable gasses (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1) infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

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AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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SECTION 15: REGULATORY INFORMATION

HSNO Group Standard
This material is not subject to the following international agreements:

Surface Coatings and Colourants (Flammable) Group Standard 2006: HSR002662.
Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)

This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)
Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish

This material/constituent(s) is covered by the following requirements:

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16: OTHER INFORMATION

KEY/LEGEND

| | |
|---------------------|---|
| ADG Code | Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th Edition) |
| AICS | Australian Inventory of Chemical Substances |
| CAS Number | Chemical Abstracts Service (Registry Number) |
| CO2 | Carbon Dioxide |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services, especially firefighters. |
| IARC | International Agency for Research on Cancer |
| KG | Kilograms |
| LC50 | LC stands for Lethal Concentration |
| LD50 | LD stands for Lethal Dose |
| LT | Litres |
| N.O.S. | Not Otherwise Specified |
| NTP | National Toxicology Program (USA) |
| ppm | Parts per Million |
| STEL | Short Term Exposure Limit |
| SUSMP | Standard for the Uniform Scheduling of Medicines & Poisons |
| SWA | Safe Work Australia, formerly ASCC and NOHSC |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |
| UN Number | United Nations Number |

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This SDS is prepared in accordance with the Safe Work Australia (SWA) document, entitled: **Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice (February 2016)**.

This Safety Data Sheet (SDS) summarises our best knowledge of the Health and Safety Hazard information pertaining to this product, including how to safely handle and use the product in the workplace.

Each user must review this SDS in the context of the 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 **Chemtools Pty Ltd**, whereby we will attempt to obtain additional information from our suppliers.

Our responsibility for products sold is subject to our Terms and Conditions, a copy of which is sent to our customers and is also available upon request.

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POISONS INFORMATION CENTER: 13 1126 FROM ANYWHERE IN AUSTRALIA (0800 764 766 FROM NEW ZEALAND)

SAFETY DATA SHEET BY **CHEMTOOLS PTY LTD** (ABN 12 114 400 083) • HEAD OFFICE/MANUFACTURING FACILITY: UNIT 2, 14 - 16 LEE HOLM ROAD ST MARYS NSW 2760

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