



Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

SAFETY DATA SHEET

Page 1 of 14 Issue Date: 11 January 2022 Quinlube #19 Semi-Synthetic Cutting Fluid Version: 4

Product name: Quinlube #19 Semi-Synthetic Cutting Fluid

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: Quinlube #19 Semi-Synthetic Cutting Fluid

OTHER NAMES: Quinlube #19

MANUFACTURER'S PRODUCT CODE: HI8-3380

USE: Semi synthetic metal forming fluid.

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

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS SUBSTANCE

NON-DANGEROUS GOODS

Hazard classification according to criteria of NOHSC and GHS.

Dangerous goods classification according to the Australian Dangerous Goods.

GHS LABEL ELEMENTS:





SIGNAL WORD: DANGER







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2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

SKIN CORROSION/IRRITATION: Category 2
SERIOUS EYE DAMAGE/IRRITATION: Category 1
SKIN SENSITISATION: Category 1

HAZARD STATEMENTS: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

PREVENTION STATEMENTS: P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash thoroughly after handling.

RESPONSE STATEMENTS: P310: Immediately call the POISON INFORMATION CENTRE on 13 11 26 or

doctor/physician.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P302+352: IF ON SKIN: Wash with plenty of soap and water. P362: Take off contaminated clothing and wash before re-use.

DISPOSAL STATEMENT: P501: Dispose of contents/container to an approved waste disposal plant.

OTHER HAZARDS: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTICS: Liquid

INGREDIENTS:-

| CHEMICAL ENTITY | CAS NO | PROPORTION (% w/w) |
|---|------------|---------------------|
| Mineral Oil | ** | $\geq 10 - \leq 30$ |
| 2-[(2-hydroxyethyl)amino]ethyl oleate | 59086-74-7 | ≤ 10 |
| Sulfonic acids, petroleum, sodium salts | 68608-26-4 | ≤ 5 |
| 2,2'-iminodiethanol | 111-42-2 | ≤ 5 |
| Mineral oil | = | ≤ 3 |
| tetrasodium ethylene diamine tetraacetate | 64-02-8 | ≤ 3 |
| 2-Butoxyethanol | 111-76-2 | ≤ 3 |
| Oleic acid, compound with 2,2'-iminodiethanol (1:1) | 13961-86-9 | ≤ 3 |
| 2, 2', 2"-(Hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol | 4719-04-4 | <1 |
| trisodium nitrilotriacetate | 5064-31-3 | ≤ 0.3 |
| Ingredients determined to be non-hazardous | | To 100% |

**May contain: 101316-72-7, 1-1316-73-8











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4. FIRST AID MEASURES

GENERAL INFORMATION: You should call the POISONS INFORMATION CENTRE if you feel that you may

have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times.

Have this SDS with you when you call.

INHALATION: Move affected person to fresh air. If not breathing, if breathing is irregular or if

respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Get medical attention.

SKIN CONTACT: Wash with plenty of soap and water. Remove contaminated clothing and wash it

before reuse. Get medical attention if symptoms occur.

EYE CONTACT: Get medical attention immediately. Flush with plenty of water for at least 15 minutes,

occasionally lifting the upper and lower eyelids. Remove contact lenses, if present

and easy to do.

INGESTION: Ingestion may cause gastrointestinal irritation and diarrhea. Do not induce vomiting

unless directed to do so by medical personnel. Never give anything by mouth to an

unconscious person.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

INHALATION: Not expected under normal use.

SKIN CONTACT: Pain or irritation, redness, skin rash or hives.

EYE CONTACT: Pain, redness, watering, burns.

INGESTION: Not expected under normal use.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO DOCTOR: In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

SPECIFIC TREATMENTS: No specific treatment.

PROTECTION OF FIRST AIDERS: No action shall be taken involving any personal risk or without suitable training. It

may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear

gloves. Use personal protective equipment as required.









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5. FIRE FIGHTING MEASURES

FIRE/EXPLOSION HAZARD

SUITABLE EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, CO₂,

water spray (fog) or foam.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet.

SPECIFIC HAZARDS ARISING FROM

THE CHEMICAL: In a fire or if heated, a pressure increase will occur and the container may burst.

HAZARDOUS THERMAL

DECOMPOSITION PRODUCTS: In a fire, hazardous decomposition products may be produced, carbon oxides (CO,

CO₂) nitrogen oxides, sulphur oxides, metal oxide/oxides.

SPECIAL PROTECTIVE ACTIONS FOR

FIRE-FIGHTERS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if

there is a fire. No action shall be taken involving any personal risk or without

suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR

FIRE-FIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

FOR NON-EMERGENCYPERSONNEL: No action shall be taken involving any personal risk or without suitable training. Put

on appropriate personal protective equipment (see Section 8). Keep unnecessary personnel away. Avoid breating vapour or mist. Provide adequate ventilation.

FOR EMERGENCY RESPONDERS: If specialized clothing is required to deal with the spillage, take note of any

information in Section 8 on suitable and unsuitable materials. See also the

information in "For non-emergency personnel". Evacuate area.

ENVIRONMENTAL PRECAUTIONS: Inform the relevant authorities if the product has caused environmental pollution

(sewers, waterways, soil or air). Do not allow any potentially contaminated water, including rain water, runoff from fire fighting or spills, to enter any waterway, sewer

or drain.









Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362 5 Tarlington Place Smithfield NSW 2164 Correspondence: P.O Box 322 Castle Hill NSW 1765 Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

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6. ACCIDENTAL RELEASE MEASURES (CONT)

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, SMALL SPILL:

> water courses, basements or confined areas. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste

disposal contractor.

LARGE SPILL: Stop leak if without risk. Move containers from spill area. For large spills, dike

spilled material or otherwise contain it to ensure runoff does not reach a waterway. Absorb with an inert material and place in an appropriate waste disposal container.

Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

PROTECTIVE MEASURES: Put on appropriate personal protective equipment (see Section 8). Do not get in

eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional

information on hygiene measures.

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination.









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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS:

INGREDIENT NAME EXPOSURE LIMITS

Mineral oil ACGIH TLV (United States).

STEL: $10 \text{ mg/m}^3 15 \text{ minutes}$. TWA: $5 \text{ mg/m}^3 8 \text{ hours}$.

2,2'-iminodiethanol Safe Work Australia (Australia, 4/2018).

TWA: 13 mg/m³ 8 hours. TWA: 3 ppm 8 hours.

Mineral oil ACGIH TLV (United States).

TWA: 5 mg/m³ 8 hours.

2-butoxyethanol Safe Work Australia (Australia, 4/2018).

Absorbed through skin. TWA: 96.9 mg/m³ 8 hours. TWA: 20 ppm 8 hours. STEL: 50 ppm 15 minutes. STEL: 242 mg/m³ 15 minutes.

BIOLOGICAL EXPOSURE INDICES (BEI): None.

APPROPRIATE ENGINEERING CONTROLS: Use only with adequate ventilation. If user operations generate dust, fumes, gas,

vapor or mist, use process enclosures, local exhaust ventilation or other engineering

controls to keep worker exposure to airborne contaminants below any

recommended or statutory limits.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure

they comply with the requirements of environmental protection legislation. In some

cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

HYGIENE MEASURES: Wash hands, forearms and face thoroughly after handling chemical products, before

eating, smoking and using the lavatory and at the end of the working period. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Keep

equipment clean.









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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

EYE/FACE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk

assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Face shield. If

inhalation hazards exist, a full-face respirator may be required instead.

HAND PROTECTION: Chemical-resistant, impervious gloves complying with an approved standard should

> be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be

different for different glove manufacturers.

OTHER SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task

> being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the

risks involved and should be approved by a specialist before handling this product.

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important

aspects of use.

THERMAL HAZARDS: Not expected under normal use. Not relevant/applicable due to nature of the

product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL & APPEARANCE: Liquid

RESPIRATORY PROTECTION:

COLOUR: Green (Fluorescent)

ODOUR: Characteristic

ODOUR THRESHOLD: Not available

9.5 to 11 pH:

BOILING POINT/RANGE (°C): Not available

MELTING POINT/FREEZING POINT (°C): Not available

FLASH POINT (°C): Open cup: Not applicable

EVAPORATION RATE: Not available









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9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

FLAMMABILITY (SOLID, GAS): Not available

Not available FLAMMABILITY LIMIT (UPPER):

FLAMMABILITY LIMIT (LOWER): Not available

VAPOUR PRESSURE: Not available

VAPOUR DENSITY: Not available

RELATIVE DENSITY: 1 to 1.01

SOLUBILITY (IES) Not available

PARTITION COEFFICIENT: Not available

AUTO-IGNITION TEMPERATURE (°C): Not available

DECOMPOSITION TEMPERATURE: Not available

KINEMATIC VISCOSITY: 18 to 22 cSt @ 40°C

DYNAMIC VISCOSITY: Not available

OXIDISING PROPERTIES: Not available

EXPLOSIVE PROPERTIES: Not available

Not available VOC CONTENT (%)

DENSITY: Not available

10. STABILITY AND REACTIVITY

No specific test data related to reactivity available for this product or its ingredients. REACTIVITY:

CHEMICAL STABILITY: The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID: No specific measures identified.

INCOMPATIBLE MATERIALS: Strong oxidizing materials, strong acids, astrong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.









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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Based on available data, the classification criteria are not met.

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ACUTE TOXICITY ESTIMATES: Oral - 10678.42 mg/kg

Dermal - 55000 mg/kg

Inhalation (dusts and mists) - 39.43 mg/l

NUMERICAL MEASURES OF TOXICITY:

DDODLIGE/INCDEDIENE NA ME

| PRODUCT/INGREDIENT NAME Sulfonic acids, petroleum, | RESULT | <u>SPECIES</u> | <u>DOSE</u> | EXPOSURE |
|--|---------------------------------|----------------|-------------|----------|
| sodium salts | LD50 Dermal | Rabbit | >500 mg/kg | - |
| 2,2'-iminodiethanol tetrasodium | | | | |
| ethylene diamine tetraacetate | LD50 Oral | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | 1100 mg/kg | _ |
| | LD50 Oral | Rat | 10 g/kg | - |
| | LD50 Oral | Rat | 10 g/kg - | |
| 2-butoxyethanol | LC50 Inhalation Dusts and mists | Rat | 2.21 mg/l | 4 hours |
| | LC50 Inhalation Gas. | Rat 4 | 50 ppm | 4 hours |
| | LD50 Dermal | Rabbit | 220 mg/kg | - |
| | LD50 Oral | Rat | 250 mg/kg | - |
| 2,2',2"-(hexahydro-1,3,5- | | | | |
| triazine-1,3,5-triyl) triethanol | LC50 Inhalation Dusts and mists | Rat | 0.371 mg/l | 4 hours |
| trisodium nitrilotriacetate | LD50 Oral | Rat | 763 mg/kg | - |
| | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | 1100 mg/kg | - |
| | | | | |

IRRITATION/CORROSION: Causes serious eye damage. Causes skin irritation

| PRODUCT/INGREDIENT NAME 2,2'-iminodiethanol | RESULT Eyes - Severe irritant Eyes - Severe irritant Skin - Mild irritant Skin - Mild irritant | SPECIES Rabbit Rabbit Rabbit Rabbit | EXPOSURE 24 hours 750 ug 5500 mg 24 hours 500 mg 50 mg |
|---|--|--------------------------------------|--|
| tetrasodium ethylene diamine tetraacetate | Eyes - Moderate irritant | Rabbit | 24 hours 100 mg |
| 2-butoxyethanol | Skin - Moderate irritant Eyes - Moderate irritant Eyes - Severe irritant Skin - Mild irritant | Rabbit Rabbit Rabbit Rabbit | 24 hours 500 mg 24 hours 100 mg 100 mg 500 mg |









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11. TOXICOLOGICAL INFORMATION (CONT)

SENSITISATION: May cause sensitization by skin contact

MUTAGENICITY: Based on available data, the classification criteria are not met.

CARCINOGENICITY: Based on available data, the classification criteria are not met.

PRODUCT/INGREDIENT NAMEIARC2,2'-iminodiethanol2B2-butoxyethanol3trisodium nitrilotriacetate2B

REPRODUCTIVE TOXICITY: Based on available data, the classification criteria are not met.

STOT (SINGLE / REPEATED EXPOSURE): Based on available data, the classification criteria are not met.

Category 2

NAME <u>CATEGORY</u> <u>ROUTE OF EXPOSURE</u> <u>TARGET ORGANS</u>

(CNS), kidneys, liver

blood, central, nervous system

tetrasodium ethylene diamine tetraacetate Category 2 Inhalation Respiratory tract

2,2',2"-(hexahydro-1,3,5-triazine-

2,2'-iminodiethanol

1,3,5-triyl)triethanol Category 1 Inhalation -

ASPIRATION HAZARD: Based on available data, the classification criteria are not met.

OTHER INFORMATION: None identified

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE

INHALATION: No known significant effects or critical hazards.

SKIN CONTACT: Causes skin irritation. May cause sensitization by skin contact.

EYE CONTACT: Causes serious eye damage.

INGESTION: No known significant effects or critical hazards.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

None identified









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11. TOXICOLOGICAL INFORMATION (CONT)

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

INHALATION: Not expected under normal use.

SKIN CONTACT: Pain or irritation, redness, skin rash or hives.

EYE CONTACT: Pain, redness, watering, burns.

INGESTION: Not expected under normal use.

12. ECOLOGICAL INFORMATION

No known significant effects or critical hazards.

TOXICITY

| Sulfonic acids, petroleum, sodium salts Acute EC50 >100 mg/l Algae – Desmodesmus subspicatus subspicatus Daphnia – Daphnia magna Fish - Pimephales promelas 96 hours 72 hours subspicatus Daphnia – Daphnia magna Fish - Pimephales promelas 96 hours 2.2*-iminodiethanol Acute EC50 2.2 mg/l Algae – Pseudokirchnerella subcapitata Crustaceans Ceriodaphnia dubia - Neonate Daphnia – Daphnia pules 48 hours Ceriodaphnia dubia - Neonate Daphnia – Daphnia pules 48 hours Pish - Lepomis macrochirus 96 hours 48 hours Pish - Lepomis macrochirus 96 hours Acute EC50 2.77 mg/l Algae – Desmodesmus 17 hours 18 hours Pish - Lepomis macrochirus 96 hours 2-butoxyethanol Acute EC50 140 mg/l Acute LC50 121 mg/l Algae – Desmodesmus 20 hours 18 hours Pish - Lepomis macrochirus 96 hours 2-butoxyethanol Acute EC50 1840 mg/l Acute LC50 1850 mg/l Acute LC50 1850 mg/l Acute LC50 1850 mg/l Acute LC50 1850 mg/l Acute LC50 1850000 µg/l Marine water Acute LC50 120000 µg/l Marine water Acute LC50 120000 µg/l Marine water Acute LC50 120000 µg/l Fresh water Acute LC50 1850000 µg/l Fresh water Acute LC50 1850000 µg/l Fresh water Acute LC50 1850000 µg/l Fresh water Acute LC50 800000 µg/l Fresh water Acute LC50 80000 µg/l Fresh water Acute LC50 800000 µg/l Fresh water Acute LC50 8000000 µg/l Fresh | PRODUCT/INGREDIENT NAME | RESULT | <u>SPECIES</u> | EXPOSURE |
|--|---|--|-------------------------------|----------|
| Acute EC50 > 1000 mg/l Acute EC50 > 1000 mg/l Fish - Pimephales promelas 96 hours 2,2'-iminodiethanol Acute EC50 2.2 mg/l Acute EC50 2.2 mg/l Acute LC50 28800 µg/l Fresh water Acute LC50 2150 µg/l Fresh water Acute LC50 2150 µg/l Fresh water Acute LC50 2150 µg/l Fresh water Acute LC50 277 mg/l Acute EC50 2.77 mg/l Algae - Desmodesmus 96 hours 48 hours Crustaceans Acute Daphnia dubia - Neonate Daphnia - Daphnia pulex Fish - Lepomis macrochirus Phonus | Sulfonic acids, petroleum, sodium salts | Acute EC50 >100 mg/l | | 72 hours |
| Acute LC50 2.2 mg/l Algae – Pseudokirchnerella subcapitata Acute LC50 2.8800 µg/l Fresh water Acute LC50 2150 µg/l Fresh water Acute LC50 2150 µg/l Fresh water Acute LC50 2150 µg/l Fresh water Acute LC50 2775 mg/l Fresh water Acute LC50 2.77 mg/l Algae – Desmodesmus subspicatus Acute LC50 121 mg/l Pish Lepomis macrochirus Pish - Menidia beryllina Paphnia - Daphnia nagna Paphnia - Daphnia magna Paphnia - Daphnia nagna Pish - Henidia beryllina Paphnia - Daphnia nagna Pish - Brachydanio rerio Pish - Presh water Acute LC50 185000 µg/l Fresh water Acute LC50 98000 µg/l Fresh water Acu | | | | |
| 2,2'-iminodiethanol Acute EC50 2.2 mg/l Acute LC50 28800 μg/l Fresh water Crustaceans Croidaphnia dubia - Neonate Acute LC50 1550 μg/l Fresh water Acute LC50 1775 mg/l Fresh water Acute LC50 1775 mg/l Fresh water Acute LC50 121 mg/l Acute EC50 1840 mg/l Acute EC50 1850 mg/l Acute EC50 1850 mg/l Acute EC50 1850 mg/l Acute EC50 1250000 μg/l Marine water Acute LC50 1250000 μg/l Marine water Acute EC50 12 mg/l Acute EC50 12 mg/l Acute EC50 1250000 μg/l Marine water Acute EC50 12 mg/l Acute EC50 1250000 μg/l Fresh water Acute EC50 12 mg/l Acute EC50 1250000 μg/l Fresh water Acute EC50 12 mg/l Acute EC50 1250000 μg/l Fresh water Acute EC50 12 mg/l Acute EC50 1250000 μg/l Fresh water Acute EC50 560000 to 1000000 μg | | ē . | | |
| subcapitataAcute LC50 28800 μg/l Fresh waterCrustaceans Creidaphnia dubia - Neonate Creidaphnia dubia - Neonate Daphnia - Daphnia pulex Fish - Lepomis macrochirus48 hours 48 hours Pish - Lepomis macrochirustetrasodium ethylene diamine tetraacetateAcute EC50 2.77 mg/l Acute EC50 140 mg/l Acute LC50 121 mg/lAlgae - Desmodesmus subspicatus Daphnia - Daphnia magna Paphnia - Daphnia magna Fish - Lepomis macrochirus72 hours 96 hours2-butoxyethanolAcute EC50 1840 mg/l Acute LC50 1840 mg/l Acute LC50 1850 mg/l Acute LC50 1850 mg/l Acute LC50 1250000 μg/l Marine water Acute LC50 1250000 μg/l Marine water Acute LC50 1250000 μg/l Marine waterAlgae - Pseudikirchneriella Subcapitata Daphnia - Daphnia magna Fish - Menidia beryllina48 hours Fish - Menidia beryllina2,2'.2"-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanolAcute EC50 6.66 mg/l Acute LC50 12 mg/lAlgae - Desmodesmus subspicatus Daphnia - Daphnia magna Fish - Brachydanio rerio 96 hours72 hours subspicatustrisodium nitrilotriacetateAcute EC50 >91.5 mg/l Acute LC50 185000 μg/l Fresh water Acute LC50 560000 to 1000000 μg/l Fish - Brachydanio rerioAlgae - Navicula seminulum Daphnia magna Algae - Navicula seminulum Daphnia - Daphnia magna Algae - Navicula seminulum Daphnia - Daphnia magna Algae - Navicula seminulum Paphnia - Daphnia magna Algae - Navicula seminulum Paphnia - Daphnia - Da | | Acute LC50 >1000 mg/l | Fish - Pimephales promelas | 96 hours |
| Acute LC50 2150 µg/l Fresh water Acute LC50 775 mg/l Fresh water Acute LC50 775 mg/l Fresh water Acute EC50 140 mg/l Acute EC50 121 mg/l Acute EC50 121 mg/l Acute EC50 121 mg/l Acute EC50 121 mg/l Acute EC50 1250 mg/l Acute EC50 1840 mg/l Acute EC50 1840 mg/l Acute EC50 1550 mg/l Acute EC50 1550 mg/l Acute LC50 1250000 µg/l Marine water Acute LC50 1250000 µg/l Fresh water Acute LC50 185000 µg | 2,2'-iminodiethanol | Acute EC50 2.2 mg/l | Algae – Pseudokirchnerella | 96 hours |
| Acute LC50 2150 µg/l Fresh water Acute LC50 775 mg/l Fresh water Acute LC50 775 mg/l Fresh water Acute LC50 775 mg/l Fresh water Acute EC50 2.77 mg/l Acute EC50 2.77 mg/l Acute EC50 140 mg/l Acute EC50 121 mg/l Acute EC50 121 mg/l Acute EC50 1840 mg/l Acute EC50 1840 mg/l Acute EC50 1550 mg/l Acute EC50 1550 mg/l Acute LC50 1250000 µg/l Marine water Acute LC50 1250000 µg/l Marine water Acute LC50 1250000 µg/l Marine water Acute EC50 9 mg/l Algae - Desmodesmus subspicatus Algae - Navicula seminulum Daphnia - Daphnia magna Algae - Algae | | | subcapitata | |
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| Acute EC50 140 mg/l Acute EC50 121 mg/l Acute EC50 1840 mg/l Acute EC50 1840 mg/l Acute EC50 1840 mg/l Acute EC50 1840 mg/l Acute EC50 1550 mg/l Acute EC50 1550 mg/l Acute LC50 1250000 μg/l Marine water Acute LC50 1250000 μg/l Marine water Acute LC50 1250000 μg/l Marine water Acute EC50 9 mg/l Acute EC50 9 mg/l Acute EC50 9 mg/l Acute EC50 12 mg/l Trissodium nitrilotriacetate Acute EC50 >91.5 mg/l Acute EC50 >91.5 mg/l Acute EC50 185000 μg/l Fresh water Acute LC50 560000 to 1000000 μg/l Acute LC50 98000 μg/l Fresh water Acute | tetrasodium ethylene diamine tetraacetate | Acute EC50 2.77 mg/l | Algae – Desmodesmus | 72 hours |
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| Acute LC50 800000 μg/l Marine water Acute LC50 1250000 μg/l Marine water Acute LC50 1250000 μg/l Marine water Acute EC50 6.66 mg/l Acute EC50 9 mg/l Acute LC50 12 mg/l Acute EC50 9 mg/l Acute LC50 12 mg/l Acute EC50 991.5 mg/l Acute LC50 185000 μg/l Fresh water Acute LC50 185000 μg/l Fresh water Acute LC50 98000 μg/l Fresh water | · | _ | Subcapitata | |
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| 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol Acute EC50 6.66 mg/l Acute EC50 9 mg/l Acute EC50 9 mg/l Acute LC50 12 mg/l Acute EC50 9 mg/l Acute EC50 9 mg/l Acute EC50 991.5 mg/l Acute EC50 >91.5 mg/l Acute LC50 185000 μg/l Fresh water Acute LC50 185000 μg/l Fresh water Acute LC50 560000 to 1000000 μg/l Fresh water Acute LC50 98000 μg/l Fresh water | | Acute LC50 800000 μg/l Marine water | Crustaceans - Crangon crangon | 48 hours |
| trisodium nitrilotriacetate Acute EC50 9 mg/l Daphnia - Daphnia magna 48 hours Fish - Brachydanio rerio 96 hours Acute EC50 12 mg/l Algae – Desmodesmus 372 hours subspicatus Acute LC50 185000 μ g/l Fresh water Algae - Navicula seminulum 96 hours Acute LC50 560000 to 10000000 μ g/l Daphnia - Daphnia magna 48 hours Fresh water Acute LC50 98000 μ g/l Fresh water Acute LC50 98000 μ g/l Fresh water Chronic NOEC 1000000 μ g/l Fresh water Algae - Algae - Exponential growth phase | | Acute LC50 1250000 μg/l Marine water | Fish - Menidia beryllina | 96 hours |
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| trisodium nitrilotriacetate $ \begin{array}{ccccccccccccccccccccccccccccccccccc$ | | Acute EC50 9 mg/l | Daphnia - Daphnia magna | 48 hours |
| Subspicatus Acute LC50 185000 µg/l Fresh water Acute LC50 560000 to 1000000 µg/l Fresh water Acute LC50 98000 µg/l Fresh water Acute LC50 98000 µg/l Fresh water Acute LC50 98000 µg/l Fresh water Chronic NOEC 100000 µg/l Fresh water Chronic NOEC 100000 µg/l Fresh water Growth phase | | Acute LC50 12 mg/l | Fish - Brachydanio rerio | 96 hours |
| Subspicatus Acute LC50 185000 μg/l Fresh water Acute LC50 560000 to 1000000 μg/l Fresh water Acute LC50 98000 μg/l Fresh water Acute LC50 98000 μg/l Fresh water Acute LC50 98000 μg/l Fresh water Chronic NOEC 100000 μg/l Fresh water Chronic NOEC 100000 μg/l Fresh water Growth phase | trisodium nitrilotriacetate | Acute FC50 >91.5 mg/l | Algae – Desmodesmus | 72 hours |
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| Chronic NOEC 100000 μg/l Fresh water Algae - Algae - Exponential 96 hours growth phase | | | | |
| growth phase | | , 0 | | |
| | | Chronic NOEC 100000 μg/l Fresh water | | 96 hours |
| Chronic NOEC 100000 µg/I Fresh water Daphnia - Daphnia magna 21 days | | Chronic NOEC 100000 µg/l Fresh water | Daphnia - Daphnia magna | 21 days |









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12. ECOLOGICAL INFORMATION (CONT)

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL

| PRODUCT/INGREDIENT NAME | LOGPow | <u>BCF</u> | POTENTIAL |
|---|---------------|------------|------------------|
| 2,2'-iminodiethanol | -1.43 | - | low |
| tetrasodium ethylene diamine tetraacetate | 5.01 | 1.8 | low |
| 2-butoxyethanol | 0.81 | - | low |
| 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol | -2 | - | low |
| trisodium nitrilotriacetate | -2.62 | - | low |

MOBILITY IN SOIL:

Soil/water partition coefficient (K_{oc}) : Not available

OTHER ADVERSE EFFECTS: No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Disposal of this product, solutions and any by-products should at all times comply

with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable

products via a licensed waste disposal contractor. Empty containers or

liners may retain some product residues. Empty containers retain product residue and can be hazardous. Care should be taken when handling emptied containers

that have not been cleaned or rinsed out.

14. TRANSPORT INFORMATION

ROAD & RAIL TRANSPORT:

ADG REQUIREMENT Not classified as a Dangerous Good according to the Australian Code for the

Transport of Dangerous Goods by Road and Rail.

MARITIME TRANSPORT:

IMO/IMDG REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International

Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT:

ICAO/IATA REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International

Maritime Air Transport Association (IATA) Dangerous Goods Regulations for

transport by air.





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Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362 5 Tarlington Place Smithfield NSW 2164 Correspondence: P.O Box 322 Castle Hill NSW 1765

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15. REGULATORY INFORMATION

POISON SCHEDULE: None allocated.

PACKING & LABELLING: No special packaging or labelling requirements.

AUSTRALIAN INVENTORY STATUS: All components are listed or exempted.

16. OTHER INFORMATION

CONTACT PERSON/POINT: General Manager 1300 796 009

> 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.

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.

* Safe Work Australia: 2016 Preparation of Safety Data Sheets for Hazardous Chemicals.

* 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.









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16. OTHER INFORMATION (CONT)

LAST CHANGE: Supercedes document issued: 25 May 2017.

Reason/s for revision: Minor editorial changes to comply with GHS requirements.

MR221011/1

END OF SDS



