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
www.hi-tecoils.com.au

SAFETY DATA SHEET

Product name: **Solcut QLB2 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:	Solcut QLB2 Cutting Fluid
OTHER NAMES:	None
MANUFACTURER'S PRODUCT CODE:	HI6-2930
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.
POISON SCHEDULE:	Not scheduled

GHS LABEL ELEMENTS:



SIGNAL WORD: **DANGER**

2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

SERIOUS EYE DAMAGE / EYE IRRITANT:	H318: Category 1
SKIN SENSITISATION:	H317: Category 1
SPECIFIC TARGET ORGAN TOXICITY: (SINGLE EXPOSURE)	H335: Category 3

HAZARD STATEMENTS:

H318: Causes serious eye damage
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation

PREVENTION STATEMENTS:

Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area.

RESPONSE STATEMENTS:

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call the POISON INFORMATION CENTER on 13 11 26 or doctor/physician.
P321: Specific treatment is advised - see first aid instructions.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.
P362: Take off contaminated clothing and wash before re-use.

STORAGE STATEMENT(S):

Store in a well-ventilated place. Keep container tightly closed.
Store locked up

DISPOSAL STATEMENT:

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

OTHER HAZARDS:

Causes mild skin irritation
Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTICS**:** Liquid

INGREDIENTS:-

CHEMICAL ENTITY	CAS NO	PROPORTION
Ethanolamine	141-43-5	5 - <10 %
2,2',2"-(Hexahydro-1,3,5-triazine-1,3,5-triyl	4719-04-4	1 - <5 %
Alcohols, C16-18, ethoxylated	68439-49-6	1 - <3%
2-Butroxyethanol	111-76-2	1 - <3%
Ingredients determined to be non-hazardous		To 100%

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:	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.
SKIN CONTACT:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention. Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
EYE CONTACT:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
INGESTION:	Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.
FIRST AIDER:	Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).
NOTES TO PHYSICIAN:	Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitisation in susceptible persons. Treat symptomatically.
SYMPTOMS & EFFECTS: (BOTH ACUTE & DELAYED)	Burning sensation. Itching. Rashes. Hives.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water Jetstream.
SPECIFIC HAZARDS:	In the event of fire and/or explosion do not breathe fumes. May cause sensitisation by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapours. The product causes irritation of eyes, skin and mucous membranes. Product is or contains a sensitiser. May cause sensitisation by skin contact.
FIRE FIGHTING:	Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8.
EMERGENCY RESPONDERS:	Use personal protection recommended in Section 8.
ENVIRONMENTAL PRECAUTIONS:	Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.
METHODS OF CONTAINMENT:	Prevent further leakage or spillage if safe to do so.
METHODS OF CLEANING UP:	Take up mechanically, placing in appropriate containers for disposal.
PRECAUTIONS TO PREVENT SECONDARY HAZARDS:	Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

SAFE HANDLING:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before re-use.

7. HANDLING AND STORAGE (CONT)

GENERAL HYGIENE: When using do not eat, drink or smoke. Wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. Wash hands before breaks and after work.

SAFE STORAGE: Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

INCOMPATIBLE MATERIALS: Strong acids. Strong bases. Strong oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: This product, as supplied, contains hazardous materials with occupational exposure limits.

		TWA		STEL	
Chemical Name	**CAS No.**	**ppm**	**mg/m^3**	**ppm**	**mg/m^3**
Ethanolamine	141-43-5	3	7.5	6	15
2-Butoxyethanol	111-76-2	20	96.9	50	242

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. 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 OCCUPATIONAL EXPOSURE LIMITS: An occupational medicine specialist familiar with national and regional regulations and standards must be consulted to establish a program of medical examinations for workers exposed to substances with biological limit values.

Chemcial Name	**Australia**	**ACGIH**	**UK**	**EU Union**
2-Butoxyethanol 111-76-2	-	Butoxyacetic acid with Hydrolysis: 200 mg/g creatinine urine end of shift	240 mmol/mol creatinine	-

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

ENGINEERING CONTROLS:	Ensure adequate ventilation, especially in confirned areas.
EYE/FACE PROTECTION:	Tight sealing safety goggles. Face protection shield.
SKIN & BODY PROTECTION:	Suitable protective clothing. Apron. Gloves made of plastic or rubber.
HAND PROTECTION:	Wear suitable gloves.
RESPIRATORY PROTECTION:	Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.
ENVIRONMENTAL EXPOSURE CONTROLS:	Do not allow into any sewer, on the ground or into any bodyof water.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Viscous
COLOUR:	Green
ODOUR:	Not available
ODOUR THRESHOLD:	Not available
pH:	9.7-10.2
BOILING POINT/RANGE (°C):	Not available
MELTING POINT/FREEZING POINT (°C):	Not available
FLASH POINT (°C):	Not available
EVAPORATION RATE:	Not available
FLAMMABILITY (SOLID, GAS):	Not available
FLAMMABILITY LIMIT (UPPER):	Not available
FLAMMABILITY LIMIT (LOWER):	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

RELATIVE DENSITY:	1.005
SOLUBILITY (WATER):	Soluble
SOLUBILITY (IES)	Not available
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE (°C):	Not available
DECOMPOSITION TEMPERATURE:	Not available
SPECIFIC GRAVITY:	0.9 – 1.03
KINEMATIC VISCOSITY:	Not available
DYNAMIC VISCOSITY:	Not available
OXIDISING PROPERTIES:	Not available
EXPLOSIVE PROPERTIES:	Not available
VOC CONTENT (%)	Not available
DENSITY:	Not available

* This information may be derived from the components in the preparation.

10. STABILITY AND REACTIVITY

REACTIVITY:	No data available.
CHEMICAL STABILITY:	Stable under normal conditions.
EXPLOSION DATA:	Sensitivity to mechanical impact – None. Sensitvity to static discharge – May be ignited by heat, sparks or flames.
INCOMPATIBLE MATERIALS:	Strong acids. Strong bases. Strong oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal use conditions.
HAZARDOUS REACTIONS:	None under normal processing.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

INHALATION: Specific test data for the substance or mixture is not available. Corrosive by inhalation (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.

EYE CONTECT: Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness.
Causes serious eye damage. May cause irreversible damage to eyes.

SKIN CONTACT: May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons (based on components). Corrosive. Causes burns.

INGESTION: Specific test data for the substance or mixture is not available. Causes burns (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed.

NUMERICAL MEASURES OF TOXICITY: The following values are calculated based on chapter 3.1 of the GHS document Converted acute toxicity point estimates may have been used when only acute toxicity hazard classification is available.

ATEmix (oral) 9,475.00
ATEmix (dermal) 18,333.00
ATEmix (inhalation-vapour) 183.00
ATEmix (inhalation-dust/mist) 25.00
0% of the mixture consists of ingredient(s) of unknown toxicity

Ingredient	Oral Toxicity(LD50)	Dermal Toxicity(LD50)	Inhalation Toxicity(LC50)
Ethanolamine	1720mg/kg (Rat)	1000mg/kg (Rabbit)	-
2,2'2"-(Hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	763mg/kg (Rat)	-	-
Alcohols, C16-18, ethoxylated	1260mg/kg (Rat)	-	-
2-Butoxyethanol	470mg/kg (Rat)	99mg/kg (Rabbit)	450ppm (Rat) 4 h

11. TOXICOLOGICAL INFORMATION (CONT)

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

SKIN CORROSION/IRRITATION:	May cause skin irritation.
SERIOUS EYE DAMAGE/IRRITATION:	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.
SENSITISATION:	May cause sensitisation by skin contact.
STOT – SINGLE EXPOSURE:	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT – REPEATED EXPOSURE:	No information available.
ASPIRATION:	No information available.
REPRODUCTIVE:	No information available.
GERM CELL MUTAGENICITY:	No information available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Unknown aquatic toxicity.
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ethanolamine:

Fish-
300 - 1000 mg/L LC50 96 h Lepomis macrochirus static
3684 mg/L LC50 96 h Brachydanio rerio static
200 mg/L LC50 96 h Oncorhynchus mykiss flow-through
114 - 196 mg/L LC50 96 h Oncorhynchus mykiss static
227 mg/L LC50 96 h Pimephales promelas flow-through
Crustacea-
65 mg/L EC50 48 h Daphnia magna
Algae/Aquatic Plants-
15 mg/L EC50 72 h Desmodesmus subspicatus

2-Butoxyethanol:

Fish
2950 mg/L LC50 96 h Lepomis macrochirus
1490 mg/L LC50 96 h Lepomis macrochirus static
Crustacea-
1000 mg/L EC50 48 h Daphnia magna
1698 - 1940 mg/L EC50 24 h Daphnia magna

12. ECOLOGICAL INFORMATION (CONT)

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATIVE POTENTIAL: No information available.

MOBILITY IN SOIL: No information available.

OTHER ADVERSE EFFECTS: Endocrine Disruptor Information.

Chemical Name	EU – Endocrine Disruptors Candidate List	EU – Endocrine Disruptors Evaluated Substances	Endocrine Disrupting Potential
2,2'2"-(Hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	Group III Chemical	-	-

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES/UNUSED PRODUCTS: Disposal should be in accordance with applicable regional, national and local laws and regulations. Since empty containers retain product residue, follow label warnings even after container is emptied.

CONTAMINATED PACKAGING: Disposal should be in accordance with applicable regional, national and local laws and regulations. Observe all label precautions until container is cleaned, reconditioned or destroyed. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.

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.

15. REGULATORY INFORMATION

POISON SCHEDULE:	Not scheduled.
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.

16. OTHER INFORMATION (CONT)

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.

LAST CHANGE: Supercedes document issued: 19 March 2021
Reason/s for revision: Minor editorial changes to comply with GHS requirements.

MR621032/1
END OF SDS