



SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	KOOL KUT – ALUMINIUM CUTTING FLUID Q3023
QS Code	KKAL-5; KKAL-20; KKAL-200
Company Name	QUICK SMART PRODUCTS
Manufacturer	ADVANCE CHEMICALS
Address	4 – 8 Malton Court Altona VIC 3018
Telephone/Fax	(03) 9398 4444 (BH) Poisons Information Centre 131126 (AH) 0425 800 022
Recommended Use	Water soluble. For cutting, drilling, machining aluminium. Non staining.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE
NON-DANGEROUS GOODS
Hazard classification according to the criteria of NOHSC and GHS.
Dangerous goods classification according to Australian Dangerous Goods Code.

GHS Classification(s) Eye Irritation: Category 2A
Skin Irritation: Category 2
Specific Target Organ Toxicity (Single Exposure) - Category 3

GHS Label Elements

Signal Word WARNING

Symbols



Hazard Statements H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements

Prevention P280: Wear eye or face protection.
P264: Wash hands thoroughly after handling.

Response P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention.
P302+P352: IF ON SKIN: Wash with plenty of water.

Storage P403+P233: Store in a well ventilated place. Keep container tightly closed.

Disposal P501: Dispose of contents/container in accordance to Federal, EPA, State and Local Regulations.

Other Hazards which do not Result in Classification

Defatting of the skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	%
Triethanolamine	102-71-6	1 - 5



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4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Get medical attention if symptoms occur.
Eye	In case of contact, immediately flush eyes with copious amounts of clean water for at least 15 minutes or until all contaminants are washed out completely. If irritation persists seek medical attention.
Skin	Flush contaminated skin with copious amounts of clean water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation develops seek medical attention.
Inhaled	Remove the source of contamination and move the affected person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. If the victim is not breathing, apply artificial resuscitation and seek urgent medical attention. In serious cases of over-exposure, seek immediate medical attention.
First Aid Facilities	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire/Explosion Hazards	In a fire or if heated, a pressure increase will occur and the container may burst.
Suitable Extinguishing Media	Use an extinguishing agent suitable for the surrounding fire. Do not use water jet.
Fire Fighting Procedures	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
Protective Equipment for Fire Fighters	Fire Fighters should wear full protective equipment and Self-Contained Breathing Apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Combustion Products	Combustion products may include the following: Carbon Oxides (CO, CO ₂) (carbon Monoxide, Carbon Dioxide) Nitrogen Oxides (NO, NO ₂ etc)



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6. ACCIDENTAL RELEASE MEASURES

Spills	Large Spills: Spillages are slippery. Avoid accidents, clean up immediately. Personnel involved in cleaning up any spills are to wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cordon off the spillage area. Isolate the source of the spillage or leak if safe to do so. Contain and collect spillage with non-combustible material e.g. sand, soil, vermiculite or diatomaceous earth. Prevent run off into drains, sewers and waterways. Advise local authorities immediately if release into sewer and/or waterways is expected to have occurred. Place waste in sealed properly labelled containers ready for disposal. Dispose of via a licensed waste disposal contractor. Rinse the area clean with detergent and excess water. Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Disposal	Dispose of in accordance with Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

7. HANDLING AND STORAGE

Handling	Repeated or prolonged exposure to the material without personal protection should be avoided in order to lessen the possibility of disorders. Maintain good standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using the toilet facilities. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep containers closed when not in use.
Storage	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Inspect regularly for deficiencies such as damage or leaks.
Other Information:	DO NOT ADD NITRITES TO THIS FLUID.

8. EXPOSURE CONTROL

Occupational Exposure Limits	No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard for ingredient: Triethanolamine: TWA: 5 mg/m ³ 8 hour(s) As with all chemicals, exposure should be kept to the lowest possible levels. As published by the National Occupational Health and Safety Commission (NOHSC): TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
Biological Limit	No biological limit allocated.
Control Measures	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.



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Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 – Occupational Protective Gloves – Selection, Use and Maintenance.
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant plastic apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Transparent Yellow
Odour	Mild
Flash Point	Water content interferes with flash point determination
Density	1067 kg/m ³ (1.067 g/cm ³) at 15.6°C
pH	7.4 [Conc. (% w/w): 5%]
Solubility	Soluble in water

10. STABILITY AND REACTIVITY

Stability and Reactivity	The product is stable.
Possibility of Hazardous Reaction	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Not available.
Incompatibility with Various Substances	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.



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11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this specific product. Contains material that may cause target organ damage, based on animal data. Target Organs : kidneys, liver.
Other Information	Alkanolamine: This product contains an alkanolamine. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.
Acute Effects	
Ingestion	Ingestion may cause gastrointestinal irritation and diarrhoea.
Eye	May cause eye irritation.
Skin	May cause skin irritation.
Inhalation	May cause respiratory tract irritation.
Potential Chronic Health Effects	
Carcinogenicity	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data is available for this specific product.
Persistence / Degradability	Not available.
Mobility	Not available.
Bioaccumulative Potential	Not available.
Environmental Protection	Avoid contaminating waterways. Do not discharge the product into sewers or any body of waterway.

13. DISPOSAL CONSIDERATIONS

Waste Information	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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 local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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14. TRANSPORT INFORMATION

Transport Information	Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code). Refer to relevant regulations for storage and transport requirements.
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15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled
AICS (Australia) All ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point Technical Information: 0425 800 022

Date of Preparation or last revision of SDS SDS reviewed: September 2023

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
mg/m³	Milligrams per Cubic Metre
NOHSC	National Occupational Health and Safety Commission
ppm	Parts Per Million
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TWA	Time Weighted Average

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF SDS