

# KOOL KUT GM

## MATERIAL SAFETY DATA SHEET

MSDS No: Product Name: Manufacturers Code:	KOOL KUT GM KKGM-1, KKGM-5, KKGM-20, KKGM-205	<b>QUICK SMART PRODUCTS</b> <b>53 ASSEMBLY DRIVE</b> <b>TULLAMARINE VIC 3043</b> ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Date:	October 2013	

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** KOOL KUT GM  
**Company Name:** QUICK SMART PRODUCTS  
**Address:** 53 Assembly Drive  
Tullamarine Vic 3043  
**Telephone/Fax:** (03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598  
**Recommended Use:** Synthetic grinding, machining fluid. Water soluble.

### 2. HAZARDS IDENTIFICATION

**Statement of Hazardous/Dangerous Nature:** HAZARDOUS SUBSTANCE  
NON-DANGEROUS GOODS  
Classified as a Hazardous Substance according to the criteria of NOHSC Australia.  
Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

**UN No:** Non Allocated

**Hazchem Code:** Non Allocated

**Risk Phrase(s):** Xi Irritant  
R21/22 Harmful in contact with skin and if swallowed  
R36/38 Irritating to eyes and skin

**Safety Phrase(s):** S2 Keep out of reach of children  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S28 After contact with skin, wash immediately with plenty of water  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	W%W
Borac Acid, compounds with 2,2'-aminobis[ethanol] and 2-aminoethanol	67952-33-4 & 26038-87-9	20-25%
Mixed fatty acids, compounds with diethanolamine	68604-35-3	5-10%
2,2'-oxydiethanol	111-46-6	1-5%
2,2'(methyl-1H-benzotriazol)	88477-37-6	0.1-0.5%

### 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. Rinse out mouth with water and seek immediate medical attention.

**Eye:** Hold eyelid open and flush with copious amounts of clean water for at least 15 minutes or until all contaminants are washed out completely. Seek medical attention.

**Skin:** Remove contaminated clothing and wash affected skin with soap and copious amounts of clean water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, seek immediate medical attention, do not wait for symptoms to develop.

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**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

**Suitable Extinguishing Media:** Foam and dry chemical powder. Carbon dioxide, sand or earth may be used for small fires only.

**Unsuitable Extinguishing Media:** Water in jet.

**Protective Equipment for Fire Fighters:** Fire Fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing if risk of exposure to vapour or products of combustion.

**Specific Hazards:** Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.

### 6. ACCIDENTAL RELEASE MEASURES:

**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. Contain using sand or soil. Prevent run off into drains, sewers and waterways. Advise local authorities immediately if release into sewer and/or waterways is expected to have occurred. Collect by vacuum truck or an absorbent material and seal in properly labelled containers for disposal. Rinse the area clean with detergent and excess water.

**Disposal:** Dispose of in accordance to Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

### 7. HANDLING AND STORAGE

**Handling:** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapour mists. 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 when using this product i.e. washing hands prior to eating, drinking or using the toilet facilities.

**Storage:** Store in a clean, well ventilated place out of direct sunlight and away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks.

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### 8. EXPOSURE CONTROL

<b>Occupational Exposure Limits:</b>	<p>No exposure standards have been established for this material, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.</p> <p>As published by the National Occupational Health and Safety Commission (NOHSC):</p> <p>TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.</p>
<b>Biological Limit:</b>	No biological limit allocated.
<b>Engineering Controls:</b>	Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
<b>Respiratory Protection:</b>	<p>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.</p>
<b>Eye Protection:</b>	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.
<b>Hand Protection:</b>	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.
<b>Body Protection:</b>	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist, safety boots is recommended. Chemical resistant plastic apron is recommended where large quantities are handled.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Green liquid
<b>Odour:</b>	Characteristic
<b>Autoignition Temp:</b>	>150°C
<b>Flash Point:</b>	Not applicable
<b>Boiling Point:</b>	>100°C
<b>Flammability Limits:</b>	Not available
<b>Vapour Pressure:</b>	Expected to be less than 0.5 Pa at 20°C
<b>Solubility in Water:</b>	Miscible
<b>Specific Gravity:</b>	Not available

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<b>Vapour Density (Air=1):</b>	Not applicable
<b>Evaporation Rate:</b>	Not available
<b>Percent Volatiles:</b>	Not available

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid:</b>	Avoid sources of ignition, heat, open flames or direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products:</b>	Hazardous decomposition products are not expected to form during normal storage. However if product is involved in a fire, combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information:</b>	No toxicity data is available for this specific product.
<b>Ingestion:</b>	May cause irritation of mouth, throat and stomach with nausea and diarrhoea. Aspiration into the lungs may result in chemical pneumonitis.
<b>Eye:</b>	Expected to be irritant. Eye contact may cause irritation with stinging, redness and tearing.
<b>Skin:</b>	Expected to be irritant. May cause redness or itching.
<b>Inhaled:</b>	Vapours generated through elevated temperatures or mists may cause irritation of upper respiratory tract.
<b>Other Information:</b>	Prolonged and/or repeated contact with this product can result in defatting of the skin, particularly at elevated temperatures. This can lead to irritation and possibly dermatitis, especially under conditions of poor personal hygiene. Skin contact should be minimised. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed. Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. All used oil should be handled with caution and skin contact avoided as far as possible.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Ecotoxicological data have not been determined specifically for this product.
<b>Persistence / Degradability:</b>	Not available.
<b>Mobility:</b>	Not available.
<b>Bioaccumulative Potential:</b>	Not available.
<b>Environmental Protection:</b>	Avoid contaminating waterways. Do not discharge the product into sewers or any body of waterway.

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### 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations:** Waste product should be placed in sealed, properly labelled containers for disposal. Dispose of waste according to Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

### 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).

### 15. REGULATORY INFORMATION

**Poisons Schedule:** S5

**AICS (Australia):** To the best of the Manufacturers knowledge, all ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

### 16. OTHER INFORMATION

**Contact Person/Point:** Technical Information: (03) 9338 6655.

**Date of Preparation or last revision of MSDS:** MSDS reviewed: 7 October 2013

*This MSDS 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 MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. 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 MSDS