Safety Data Sheet

Rubber Remover

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Rubber Remover
Product Code	1RR
Product Use	Graffiti, Glue and Rubber remover.
Company Name	Sure Kleen Products Pty. Ltd.
Address	9 Agett Road Malaga WA 6090
Emergency Telephone	1800 057 377
Telephone	(08) 92487444
Fax	(08) 92487733
Web	www.surekleenproducts.com.au

2. HAZARDS IDENTIFICATION

Hazardous Nature:
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.
This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.
Poisons Schedule (SUSMP): S6 Poison.

Classification of the substance or mixture:
Acute Toxicity (Oral) - Category 4
Skin Corrosion/Irritation - Category 1A
Serious Eye Damage/Irritation - Category 1
Sensitisation (Skin) - Category 1



Signal Word: Danger

Hazard Statement(s):
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary Statement(s):
Prevention:
P234 Keep only in original container.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat drink or smoke when using this product.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

Response:
P310+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before re-use.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390 Absorb spillage to prevent material damage.

Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

	Ingredient	CAS No.	Proportion
	d-Limonene	5989-27-5	<20%
	Potassium hydroxide	1310-58-3	1 - 5%
	Water and other non-hazardous ingredients	-	to 100%

4. FIRST AID MEASURES

Inhalation	Remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep the patient comfortable. Seek medical treatment right away.
Ingestion	Rinse mouth with water. Do not induce vomiting. Give a glass of water to drink and seek immediate medical attention. If vomiting occurs spontaneously, place patient with head lower than hips to prevent vomit entering lungs.
Skin	Remove contaminated clothing and flush affected area with soap and water for 15 to 20 minutes. Wash contaminated clothing before re-use.
Eye	If in eyes, hold eyelids apart and irrigate immediately with clean water for 15 minutes. Seek urgent medical attention.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical, carbon dioxide or fog. Do not use water jets as this may spread the fire.
Hazards from Combustion Products	Combustible liquid. If involved in a major fire, this product may emit toxic fumes including potassium oxide, carbon monoxide and carbon dioxide.
Precautions for Fire Fighters	Wear full protective clothing and self-contained breathing apparatus. Cool containers with water to prevent containers from rupturing.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Avoid contact with spilled material. Small spills can be wiped up or absorbed with absorbent material such as clay or vermiculite. In the event of a major spill, personnel involved in the clean up should wear appropriate protective clothing as specified in Section 8. Spilled material is slippery. Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Increase ventilation. Stop leak if safe to do so. Do not let product reach drains or waterways. If product does enter a waterway advise the environmental protection authority or your local waste management authority.
Spills & Disposals	Small spills may be safely mopped up. When handling large spills, wear eye protection, gloves and safety boots. Contain spilled material using sand or earth. Prevent run-off into drains and waterways. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth to suitable containers for disposal. Clearly label all containers. After cleaning up, wash contaminated area with detergent and water.

7. HANDLING AND STORAGE

Storage	Store in a locked place out of reach of children. Store in original container in a cool, well ventilated area out of direct sunlight. Keep containers closed when not in use. Store away from incompatible materials such as acid, strong oxidising agents, organics, metal, nitromethane and chlorinated solvents.
Handling	Avoid all skin and eye contact and inhalation of mists or vapour. Wash hands and other exposed areas with soap and water immediately after handling and before eating, drinking, smoking or using the toilet. Wash contaminated clothing and protective equipment before storage or re-use.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	Potassium Hydroxide: TWA = 2mg/m^3 Peak Limitation.
Biological Limits	None allocated.
Engineering controls	Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.
Personal Protective Equipment	Eye Protection: Face shield or chemical goggles (AS 1336/1337). Glove Type: Impervious PVC, rubber or nitrile gloves (AS 2161). Clothing: PVC or rubber apron, overalls and enclosed shoes. Respirator: Wear an approved respirator with suitable Type 'A' filter for organic gases and vapours if engineering controls are inadequate (AS1715/1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark amber liquid
Odour	Citrus
pH (neat)	12 - 13
Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/Range	Not determined
Freezing/Melting point	<0ºC
Solubility in Water	Emulsifies
Specific Gravity	0.95 – 1.0
Flash Point	>65ºC
Flammable Limits	Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Avoid heat, a flame, spark, other ignition unit.
Materials to Avoid	Strong oxidising agents and acids.
Decomposition	May emit toxic or irritating fumes if heated above 70ºC.
Hazardous Reactions	Exothermic reaction may occur with alkylbenzene sulphonic acids.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Product is alkaline and corrosive. Severe hazard to skin and eyes. d-Limonene may cause skin sensitization in some susceptible individuals. If this occurs, discontinue use of the product.
Inhalation	Inhalation of mist or aerosol will cause pulmonary irritation with possible harmful corrosive effects including pulmonary oedema, pneumonitis, emphysema and lesions of nasal septum.
Ingestion	May cause burning of the mouth and oesophagus, nausea, vomiting, abdominal pain, diarrhoea and oedema (swelling of the larynx).
Skin	Corrosive to skin. Irritant dermatitis may result from working with this material. If left unattended, skin contact may produce burns, ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no pain thus contamination of gloves or boots can be very damaging. The product also contains d-Limonene which is regarded as a skin irritant at levels above 20%. Oxidation by- products of d-Limonene are considered to be skin sensitisers. However, the level of oxidation by-products is minimised by the use of antioxidants and by specifying that the d-Limonene used in this product meets the guidelines recommended by IFRA for peroxide value. Any individual with a known allergy to citrus fruits and their products should avoid contact with this product.
Eye	Severe eye irritant. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur if not treated immediately.
Toxicity Data	Oral LD50 (rat) =333mg/kg for potassium hydroxide. Oral LD50 (rat) > 5000 mg/kg for d-Limonene. Dermal LD50 (rat) > 5000 mg/kg for d-Limonene.

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product and its biodegradation products are expected to have a low environmental impact when used for its intended purpose.
Persistence and Degradability	d-Limonene is regarded as being biodegradable when tested according to internationally recognised protocols such as 40CFR 796.3240. IMO regards d- Limonene as a Marine Pollutant; however, NICNAS has reported that d-Limonene poses a low risk for acute toxic effects on aquatic organisms, a low risk for acute toxicity to terrestrial organisms from direct exposure to d-Limonene in air and is not an air toxin in Australia. The surfactants contained in this product are readily biodegradable when tested according to AS1792-1976. Other organic constituents are also regarded as biodegradable.
Bioaccumulation	NICNAS has reported that d-Limonene may bioaccumulate in fish and other organisms. None of the other components of this product are expected to bioaccumulate.
Mobility	No data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose of product and containers as hazardous waste. Refer to waste management authority.
Legislation	Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice.

14. TRANSPORT INFORMATION

Classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	2924
Proper Shipping Name	Flammable, Corrosive, N.O.S. Contains Ethanol and Pot Ash
Class and Subsidiary Risk(s)	Class 8
Packing Group	111
Special Precautions	None allocated
Hazchem Code	3YE

15. REGULATORY INFORMATION

Poisons Schedule	S6
AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Contact Point	John Browner
Title	Technical Manager
Telephone	08 92487444
After Hours	1800 057 377

The information contained in this Safety Data Sheet is believed to be accurate and reliable; however, Sure Kleen Products shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.

End of Report