Safety Data Sheet

BIO BITUMEN REMOVER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Bio Bitumen Remover
Product Code	1BIOBIT
Product Use	Tar and bitumen 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:
Not 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.

Classification of the substance or mixture:
Skin Corrosion/Irritation - Category 2
Skin Sensitisation – Category 1



Signal Word: Warning

Hazard Statement(s):
H315 Causes skin irritation.
H317 May cause an allergic skin reaction

Precautionary Statement(s):
Prevention:
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

Response:
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.
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before re-use.

Storage:
None allocated.

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%
	Other non-hazardous ingredients	-	to 100%

4. FIRST AID MEASURES	
Inhalation	Remove from exposure.
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. Wash contaminated clothing before re-use.
Eye	If in eyes, hold eyelids apart and irrigate with clean water for 15 minutes. Seek medical attention if irritation persists.
First Aid Facilities	Eye wash station.
Advice to Doctor	Treat symptomatically.
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 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 (kitty litter) 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 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.
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	None established for this product.
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	Household gloves should be worn even when occasionally handling small quantities. Where bulk handling is taking place or where regular exposure may occur in an occupational environment, personal protection should include gloves, eye protection and clothing as specified below. **Eye Protection:** Chemical goggles or safety glasses with side shields (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	Amber colored mobile liquid
Odour	Citrus
pH (neat)	Not relevant
Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/Range	Not determined
Freezing/Melting point	<0ºC
Solubility in Water	Soluble
Specific Gravity	0.9 – 1.0
Flash Point	120ºC (closed cup)
Flammable Limits	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	High temperatures (>50ºC).
Materials to Avoid	Strong oxidising agents.
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	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 irritation of the respiratory system.
Ingestion	May cause nausea, vomiting, abdominal pain and diarrhoea.
Skin	This product 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	Eye irritant. May cause transient pain and redness.
Toxicity Data	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, 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	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

Not classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	None allocated
Proper Shipping Name	None allocated
Class and Subsidiary Risk(s)	None allocated
Packing Group	None allocated
Hazchem Code	None allocated

15. REGULATORY INFORMATION

Poisons Schedule	Not scheduled
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