

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Revision Date 10th December 2014
Product Name KILLBAC
Other Names Nil
Uses General cleaner & sanitiser of hard surfaces

Contact Information

Organisation Windsor Cleaning Solutions
Location 25 Leslie Street, Eaglehawk, Vic. 3556.
Telephone Ph: 03 5446 8320 Mob: 0417 157 044
Ask For Bill Lesuey
Poisons Information Centre Ph: 131126 Australia Wide

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC.

Risk Phrases	R22	Harmful if swallowed
	R20	Harmful by inhalation
Safety Phrases	S1/2	Keep locked up and out of the reach of children.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S27	Take off immediately all contaminated clothing.
	S28	After contact with skin, wash immediately with plenty of water.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical Advice immediately (show the label where possible).
	S50	Do not mix with acids.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Chemical Entity	CAS Number	Proportions (%)
	Ethoxylated Detergent	9002-92-0	< 20%
	Edta Tetrasodium Salt	64-02-8	< 10%
	Alkyldimethylbenzylammonium chloride	7732-18-5	< 10%

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

Swallowed	Immediately rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.
Eye	Immediately irrigate with copious quantities of water for at least 15 minutes holding eyelids open. Take care not to wash contaminated water into the non-affected eye. Seek IMMEDIATE medical attention.
Skin	Immediately wash contaminated skin with lukewarm water for at least 30 minutes. Under running water, remove contaminated clothing. Completely decontaminate clothing before reuse. Seek immediate medical attention.
Inhaled	Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
Advice to Doctor	Treat symptomatically based on individual reactions of patient and judgement of doctor. Note: For advice in an emergency, contact a Poisons Information Centre (Australia 13-11-26 or New Zealand 0800-764-766).

Aggravated medical conditions caused by exposure

Repeated or prolonged skin contact may cause chronic contact dermatitis.

5. FIRE FIGHTING MEASURES

Extinguishing Media	In case of fire, appropriate extinguishing media include water spray, fog or mist, foam, carbon dioxide, or dry chemical powder.
Hazards from Combustion Products	Non-combustible liquid. Will not burn, or support combustion. However, reaction with incompatible materials can generate sufficient heat to ignite nearby combustible materials. Incompatible with strong oxidising agents, strong acids, metals such as aluminium, tin and zinc, peroxides, reducing agents, metal salts, and sources of ignition.

Special Protective Precautions and Equipment for Fire Fighters Fire fighters should wear a positive-pressure self contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind, Keep out of low areas. Eliminate ignition sources.

Flammability Conditions Product is a non-flammable liquid.

Additional Information

Hazchem Code Not applicable

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Evacuate all unnecessary personnel. Increase ventilation. Stop leak if safe to do so. Avoid walking through spilled product as it may be slippery. DO NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.

Methods and Materials for Containment and Clean Up Collect material and transfer to suitable, labelled, dry, sealable chemical-waste containers and dispose of promptly.

7. HANDLING AND STORAGE

Precautions for Safe Handling Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. When diluting the solution add material to water.

Conditions for Safe Storage (Including Any Incompatibles) Store in a cool dry well ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including strong oxidizers, strong acids and peroxides.

Container Type Use plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure

Name	STEL mg/m3 ppm	TWA mg/m3 ppm	TWA Footnote
------	----------------	---------------	--------------

Standards

Biological Limit Values No information available on biological limit values for this product.

Engineering Controls Use in well ventilated area.

Personal Protection EYES: Protective goggles to prevent eye contamination.

HANDS: Protective PVC gloves.

CLOTHING: Chemical resistant coveralls and safety footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear transparent liquid.

Formula

Odour Relatively odourless

Vapour Pressure Not applicable

Vapour Density Not applicable

Boiling Point Not applicable

Melting Point Not applicable

Solubility in Water Fully soluble

Specific Gravity 1.1

Flash Point Not applicable

pH 9 Neat

Lower Explosion Limit Not applicable

Upper Explosion Limit Not applicable

Ignition Temperature Not applicable

Specific Heat Value Not applicable

Particle Size Not applicable

Volatile Organic Compounds (VOC) Not applicable

Content

Evaporation Rate Not applicable

Viscosity Not applicable

Percent Volatile Not applicable

**Octanol/Water
partition coefficient** Not applicable

**Saturated Vapour
Concentration** Not applicable

**Additional
Characteristics** Nil

**Flame Propagation/
Burning Rate of
Solid Materials** Not applicable

**Properties of Materials
That May Initiate or
Contribute to Fire
Intensity** Not applicable

**Potential for Dust
Explosion** Not applicable

**Reactions that Release
Flammable Gases**

**Fast or Intensely
Burning Characteristics**

**Non-flammables That
Could Contribute Unusual
Hazards to a fire**

**Release of Invisible
Flammable Vapours
and Gases**

Decomposition Temperature

Additional Information

10. STABILITY AND REACTIVITY

Chemical Stability	Product is stable under normal conditions of use , storage and temperature.
Conditions to Avoid	Avoid direct sunlight and store in a dry area.
Incompatible Materials	Incompatible with strong acids, strong oxidising agents and peroxides.

Hazardous Decomposition Products

Hazardous Reactions

11. TOXICOLOGICAL INFORMATION

Toxicity Data	Not available for this product.
Swallowed	Because of its high alkalinity in the undiluted state it is corrosive to the gastro intestinal tract if swallowed. But this is considered unlikely to occur in commercial environments.
Eye	Exposure to concentrate may lead to irritation characterized by redness, watering and itching. May cause corneal burns. Avoid contact with eyes.
Skin	Irritation to the skin on contact. Repeated or prolonged skin contact may lead to occupational dermatitis.
Inhaled	Risk is low if product is used as directed but breathing of mist or vapour should be avoided.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and Degradability	No data available. Completely soluble in water.

Mobility

Enviromental Fate (Exposure)	No data available.
-------------------------------------	--------------------

Bioaccumulative

Potential

13. DISPOSAL CONSIDERATIONS

Disposal	Dispose of in accordance with all local, state and federal regulations.
Special Precautions for Land Fill or Incineration	Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with The Hazardous Waste Act.

14. TRANSPORT INFORMATION**LAND TRANSPORT****UN Number****Shipping Name****Dangerous Goods Class****Subsidiary Risk****Pack Group****Precaution for User****Hazchem Code****15. REGULATORY INFORMATION****Poisons Schedule** 5**EPG****AICS Name****NZ Toxic Substance****HSNO Hazard Classification****ERMA Approval Code****16. OTHER INFORMATION**