

MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

Kobalt

Recommended use: Disinfectant/cleaner.

Product Code: 020105 (2x5L)

Whiteley Medical

A division of Whiteley Corporation Pty. Ltd. (A.C.N 000 906 678)

Postal Address: P.O. Box 1076 North Sydney NSW 2059

Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077

Web: www.whiteley.com.au

Emergency Telephone Number: Poisons Information Centre 131126 (Australia)

Section 2: HAZARDS

Classified as hazardous by the criteria of Safe Work Australia.

R11 Highly Flammable
S7 Keep Container Tightly Closed
S16 Keep Away From Sources of Ignition

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be Hazardous	N/A	To 100%
Ethanol	64-17-5	30-60%

Section 4: FIRST AID

Eye (Contact)	Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
Skin (Contact)	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.
Inhalation(Breathing)	Remove promptly to fresh air. Apply artificial respiration if not breathing.
Ingestion (Swallowing)	DO NOT induce vomiting. If conscious, give large amounts of water. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
Advice to Doctor	Treat as for excess of alcoholic drink. Advice on emergency treatment of alcohol poisoning can be found in standard texts on Emergency Medicine.
First Aid Facilities	Ensure an eye wash is available for use.
Additional Information	No aggravated medical conditions are known to be caused by exposure to

this product.

Section 5: FIREFIGHTING MEASURE

Suitable Extinguishing Media	Use water fog (or if unavailable fine water spray), dry chemical, carbon dioxide or alcohol stable foam.
Hazards From Combustion Products	Burning can produce carbon monoxide and/or carbon dioxide.
Precautions For Fire Fighters and Special Protective Equipment	Firefighters should wear self-contained breathing apparatus (SCBA) and complete protective clothing. Vapours are heavier than air and will 'travel' to low-level areas and/or spread fires. Remove containers from path of fire if safe to do so. Water may be used to cool exposed containers. Burns with a colourless flame.
Additional Information	Hazchem Code – 3[Y]

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide - 14. Eliminate all sources of ignition. Ventilate area thoroughly and wear a suitable respirator if necessary to minimise inhalation. Wear suitable personal protective equipment such as protective gloves to prevent skin contact.
Spills / Clean up	Eliminate all sources of ignition. Stop leak if safe to do so. Prevent spill entering waterways. For larger spills (greater than 1L) – contain spill by placing inert, non-combustible absorbent material such as toweling, vermiculite, sand or dirt onto spill. For small spills (less than 1L) – can be wiped up using clean rags. Collect material using non-sparking tools and place into a suitable container for disposal according to local regulations. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling	Contact Whiteley Corporation sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin. Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment. Store product in original container. Wash thoroughly after handling product.
Conditions for Safe Storage	Store as Class 3 Flammable Liquid in accordance with Australian Standard 1940, The storage and handling of flammable and combustible liquids. Store in tightly closed containers in cool, dry, isolated and well ventilated areas away from heat, sources of ignition and incompatible materials. Do not eat, drink or smoke in areas of use or storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric

Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Ethanol	64-17-5	1000ppm 1880mg/m ³	Not available

Biological Limit Values Not available.

Engineering Controls When used in confined spaces respiratory protection may be required to keep concentrations below exposure standard limits, see Personal Protective Equipment.

Personal Protective Equipment

Eye/face protection – Safety glasses / face shield / chemical resistant goggles should be worn to prevent eye contact.
 Skin protection – Use Nitrile gloves or similar to prevent skin contact.
 Respiratory protection – Respirator is not usually necessary but if required use a respirator suitable for organic vapours.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear blue liquid

Boiling Point Less than 100°C

Odour Mild

Freezing Point Less than 0°C

pH 8 - 9

Solubility Soluble in water.

Specific Gravity 0.865 – 0.910

Flash Point 30°C – **Method:** Closed Cup

Vapour Pressure N/A

Upper and Lower Flammability limits (in air) Not Known

Vapour Density N/A

Ignition Temperature Not Known

Section 10: STABILITY AND REACTIVITY

Chemical Stability Stable for period of shelf-life when stored as directed.

Conditions to avoid Avoid heat, sparks and high temperatures (store below 30°C). Do NOT store in direct sunlight. Protect against physical damage.

Incompatible materials Will react with strong oxidizing agents.

Hazardous decomposition products None known.

Hazardous reactions None known.

Section 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS**Acute**

Swallowed Considered an unlikely route of entry in commercial / industrial environments. May cause nausea and vomiting.

Eye Liquid may cause severe eye irritation and damage. Mist may cause irritation.

Skin Irritation and redness may occur from skin contact. Repeated contact may cause skin drying and cracking.

Inhaled Vapour or mists may be irritating to respiratory system. May cause headache and nausea.

Chronic

Swallowed May cause degenerative changes in the liver and kidneys.

Eye Permanent damage may result.

Skin No effects known

Inhalation No effects known.

TOXICITY DATA

Ethanol LD₅₀ 7060mg/kg (oral, rat)

RTECS KQ6300000

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity Not Available

Persistence and degradability Not available.

Mobility Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before disposing to an authorised landfill.

Special precautions Suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number 1993

UN Proper Shipping Name FLAMMABLE LIQUID, N.O.S.

Class and subsidiary risk 3 – Flammable

Packing Group 3

Special precautions for user None known

Hazchem Code 3[Y]

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Not applicable.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16: OTHER INFORMATION

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