

# MATERIAL SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### RESOLVE

**Recommended Use:** Heavy duty detergent and sanitiser.

**Product Code:** 180026 (2x5L) and 180030 (15L).

#### Whiteley Industrial

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

Emergency Telephone Number: Poisons Information Centre (National) 131126

## Section 2: HAZARDS

Classified as hazardous by the criteria of NOHSC.

R36/38: Irritating to eyes and skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

## Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not applicable	To 100%
Benzalkonium chloride*	68424-85-1	<10%
Potassium Hydroxide**	1310-58-3	<10%

\* the actual amount of this material is less than 5%.

\*\* the actual amount of this material is less than 2%.

## 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)** Remove contaminated clothing and flush skin and hair with running water.

**Inhalation(Breathing)** Not volatile at room temperatures.

**Ingestion (Swallowing)** DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

**Advice to Doctor** Treat symptomatically for highly alkaline solution.

**First Aid Facilities** Ensure an eye bath and safety shower are available and ready 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** Solution does not burn. Use extinguishing media suited to the materials that are burning. eg. Dry chemical, CO<sub>2</sub> or water spray.

**Hazards From Combustion Products** Carbon dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition.

**Precautions For Fire Fighters and Special Protective Equipment** Firefighters must wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure that no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.

**Additional Information** **Hazchem Code** – Not applicable.

### Section 6: ACCIDENTAL RELEASE MEASURES

**Emergency Procedure** SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide – Not applicable.

**Spills / Clean up** For small volumes (approximately less than 1L) - Clean up personnel should wear full protective clothing. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. 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 severe personal injuries, or damage to equipment.  
Store product in original container.  
Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed.

### 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>
Potassium Hydroxide	1310-58-3	2mg/m <sup>3</sup>	Not available

**Biological Limit Values** Not available.

**Engineering Controls**

Ensure adequate ventilation to keep airborne concentrations below exposure standards.

**Personal Protective Equipment**

Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin protection – Use nitrile rubber gloves to prevent skin contact.

Respiratory protection – Respirator is not usually necessary but if product is being used in a confined area where mist is a problem, use a respirator suitable for particulates and alkaline gases.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> Clear thin violet liquid	<b>Boiling Point</b> approximately 100°C
<b>Odour</b> Mild	<b>Freezing Point</b> approximately 0°C
<b>pH</b> 12.2-13.7	<b>Solubility</b> Soluble in water.
<b>Specific Gravity</b> 1.025-1.045	<b>Flash Point</b> Not Applicable.
<b>Vapour Pressure</b> Not Available.	<b>Upper and Lower Flammability limits (in air)</b> Not Applicable.
<b>Vapour Density</b> Not Available.	<b>Ignition Temperature</b> Not Applicable.

### Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal ambient storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures (store below 30°C). Protect against physical damage. Do not store in direct sunlight.
<b>Incompatible materials</b>	None known. Do not mix with other chemicals.
<b>Hazardous decomposition products</b>	None known.
<b>Hazardous reactions</b>	None known.

### Section 11: TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS****Acute**

**Swallowed** Considered an unlikely route of entry in commercial / industrial environments. May be irritating or cause damage to gastro-intestinal tract.

**Eye** Pain and reddening may occur.

**Skin** May causes irritation and redness on contact with skin.

**Inhaled** Inhalation of mist may cause irritation.

**Chronic**

**Swallowed** No effects known.

**Eye** No effects known.

**Skin** No effects known.

**Inhalation** No effects known.

**TOXICITY DATA**Benzalkonium chloride  
Potassium hydroxideLD<sub>50</sub> 919mg/kg (oral, mouse)  
LD<sub>50</sub> 273mg/kg (oral, rat)RTECS UZ2995000  
RTECS TT2100000**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 recycling or disposing to an authorised landfill.**Special precautions** Normally 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** Not applicable**UN Proper Shipping Name** Not applicable**Class and subsidiary risk** Not applicable**Packing Group** Not applicable**Special precautions for user** Not applicable**Hazchem Code** Not applicable**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSDP): Schedule 5 – CAUTION.

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

**Section 16: OTHER INFORMATION****Prepared by:** K. Duncum **Date of preparation:** 17 August 2005  
**Position:** Regulatory Compliance Technician

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