



MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

RESOLVE SUPER CONCENTRATE

Recommended Use: Heavy duty degreaser and detergent

Product Code: 180042 (4x2.5L)

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

Web: www.whiteley.com.au

Emergency Telephone Number: Poisons Information Centre (National) 131126

Section 2: HAZARDS

Classified as hazardous by the criteria of Safe Work Australia.

R36/38: Irritating to eyes and skin

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

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 whenever possible).

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Benzalkonium Chloride	68424-85-1	<10%
Nonylphenol, ethoxylated	9016-45-9	10 – 30%
Ingredients deemed not to be hazardous	Not applicable	To 100%

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 (Phone 131126) or a doctor, or for at least 15 minutes. Seek medical attention.
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. Rinse mouth with water and give water to drink. Contact a Poisons Information Centre 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 ₂ 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 – for large volumes.
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 toweling, 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-authorised 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>
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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, apron and chemical resistant boots 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, uses a respirator suitable for particulates and alkaline gases.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Violet liquid

Boiling Point approximately 100°C

Odour Mild

Freezing Point approximately 0°C

pH 13.0 – 14.0

Solubility Soluble in water.

Specific Gravity 1.04

Flash Point Not Applicable.

Vapour Pressure Not Available.

Upper and Lower Flammability limits (in air) Not Applicable.

Vapour Density Not Available.

Ignition Temperature Not Applicable.

Section 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under normal ambient storage conditions.

Conditions to avoid

Avoid high temperatures (store below 30°C). Protect against physical damage. Do not store in direct sunlight.

Incompatible materials

Incompatible with aluminium, tin, zinc, magnesium and their alloys. Also incompatible with acid and ammonium salts.

Hazardous decomposition products

None known.

Hazardous reactions

May react with ammonium salts, aluminium, tin and zinc to produce flammable hydrogen gas. Reacts violently with acids.

Section 11: TOXICOLOGICAL INFORMATION**HEALTH EFFECTS****Acute**

Swallowed

May cause pain, nausea, vomiting, tissue damage in the mouth, throat and stomach.

Eye

May cause pain, burning and reddening. Severe damage may result if not treated immediately.

Skin

Causes irritation, redness and burns on contact with skin.

Inhaled

Inhalation of mist may cause irritation.

Chronic

Swallowed	Permanent injury may result.
Eye	Permanent injury may result.
Skin	Repeated skin contact may lead to contact dermatitis.
Inhalation	None known.

TOXICITY DATA

Benzalkonium Chloride LD₅₀ 240mg/kg (oral, rat)

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): Not Applicable

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

Section 16: OTHER INFORMATION

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