

# MATERIAL SAFETY DATA SHEET

## AUSTRALIA:

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**HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.**

## I IDENTIFICATION

Product Name: **GENESIS**

Other Names: None.

Product Code: None.

UN No: None allocated Hazchem Code: None allocated

Dangerous Goods Class: None allocated

Sub Risk Class: None allocated

Packaging Group: None allocated

Poison Schedule: S5

Chemical Family: Water solution of ingredients (see below).

Uses: Water based heavy duty hard surface cleaner disinfectant.

## Physical Appearance & Properties

Appearance & Odour: Clear, blue liquid. Mild eucalyptus odour.

Melting/softening point: Approximately 0°C.

Boiling point and vapour pressure: Approximately 100°C at 100kPa.

Volatile materials: Water component.

Flashpoint: Does not burn.

Specific gravity: No data.

Solubility in water: Completely soluble.

Corrosiveness: Not corrosive. pH - 13.2

## Ingredients

Chemical Entity	CAS No	Proportion, %	Worksafe Exposure Limits	
			TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
Alkaline salts	secret	10-20	not set	not set
Quaternary ammonium compounds	61789-71-7	1-5	not set	not set
Other non hazardous ingredients	secret	10-20	not set	not set
Water	7732-18-5	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

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## II HEALTH HAZARD DATA

### Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

### Acute Effects:

#### Swallowed:

Data suggests that this product is harmful if swallowed.

#### Eye:

This product is severely irritating to the eyes. It will cause intense discomfort such as severe pain, copious watering and redness of the eyes. Effects will last long after exposure has ceased, and in severe exposure, permanent effects such as corneal damage or blindness can occur.

#### Skin:

This product is irritating to skin. It is likely to cause discomfort and effects such as moderate to severe itchiness, blistering and skin reddening.

#### Inhalation:

Data suggests that this product should present no significant problems to typical persons if used as intended.

### First Aid:

Eyebaths or eyewash stations should be provided where this product is being used.

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia.

If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical attention.

#### Eyes:

If this product comes into contact with eyes, hold open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.

#### Skin:

If product gets on skin, immediately remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

#### Inhalation:

No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

#### Advice to Doctor:

Treat symptomatically. Note the nature of this product.

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## III PRECAUTIONS FOR USE

Risk Phrases are: R22, R36/38. Harmful if swallowed. Irritating to eyes and skin.

### Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

### Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists,

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dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

## Personal Protection:

- Respiratory Protection: It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.
- Protective Gloves: Impermeable protective gloves should be worn when you are using this product. Failure to do so will lead to irritation of the skin. For help in selecting suitable equipment, consult AS 2161.
- Eye Protection: Protective eyewear should be worn when using this product. Coverage should extend to all facial areas. Eye contact will prove at best painful and will probably cause irreversible damage if contact is other than brief. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.
- Clothing: Clean overalls or protective clothing should be worn, preferably with an apron. Consult AS2919 for advice on Industrial Clothing.
- Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.  
Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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## IV SAFE HANDLING INFORMATION

Safety Phrases are: S2, S26, S36/37/38. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable protective clothing gloves and eye/face protection.

## Storage & Transport

No special storage and transport requirements. This product has no UN classification. This product is a S5 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

## Spills & Disposals

In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective chemically resistant clothing including face mask, face shield, gauntlets and self contained breathing apparatus. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Can be slippery on floors, especially when wet. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Contaminated area may be neutralised by washing with weak or dilute acid. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Fire & Explosion Hazard

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

- Flashpoint: Does not burn.
- Flammability limits: Not applicable. This product does not burn.

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Extinguishing Media: This product does not burn. Use extinguishing media suited to the materials that are burning.

Special Fire Fighting procedures:

When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

Unusual Fire & Explosion Hazards:

Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating.

Stability:

This product is unlikely to spontaneously decompose.

Polymerisation:

This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

Materials to avoid: Acids, zinc, tin, aluminium, copper and their alloys.

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## V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

Contact Points:

AUSTRALIA

**Police and Fire Brigade:**

**Dial 000**

**If ineffective:**

**Dial 1100 (Exchange)**

**National Poisons Information Centre:**

**Dial 13 1126 (from anywhere in Australia)**

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. The responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Please read all labels carefully before using product.