

**Section 1 - Identification of Chemical Product and Company**

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**HAZARDOUS INFORMATION**

*This product is not classified as hazardous according to the criteria of Worksafe Australia.*

**Shipping Name:**

<b>UN No:</b>	None allocated	<b>DG Class:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated	<b>Hazchem:</b>	None allocated
<b>Packaging Group:</b>	None allocated	<b>SUSDP:</b>	

**PRODUCT IDENTIFICATION**

<b>Trade Name:</b>	<b>Supreme Aqua Guard</b>
<b>Creation Date:</b>	<b>October 2013</b>
<b>This version issued:</b>	<b>October 2013</b> and is valid for 5 years from this date.

**Chemical Characterisation :** Aqueous emulsion of fluorinated polymer.

CHEMICAL ENTITY	CAS NO	PROPORTION (to 100%)
Fluorochemical	Proprietary	HIGH
Fatty alcohol ethoxylates(polymers)	Prop.	VLOW
Quaternary ammonium compounds		LOW
Isopropanol	67-63-0	LOW
Water	7732-18-5	VHIGH

**Key:** Proportion % weight/weight - V HIGH >60, HIGH 30 – 60, MED 10 – 29, LOW 1-9, V LOW <1

**Recommended Application:** Water, soil and oil resistant agent for textiles.

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	:	White liquid with specific odour
<b>Specific Gravity@25°C</b>	:	1.06 g/cm <sup>3</sup>
<b>pH Value</b>	:	3.50 – 4.50 neat solution
<b>Viscosity@25°C</b>	:	10 cPs Brookfield RVF Spindle 1 20 rpm
<b>Flash Point</b>	:	>65 °C
<b>Solubility</b>	:	Miscible (water)
<b>Boiling Point</b>	:	100 °C
<b>Melting Point</b>	:	Not available

**MATERIAL SAFETY DATA SHEET**

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% Volatile	:	78 – 77.5%
% Free monomer	:	Not available
Vapour Pressure	:	23 hPa
Auto-ignition Temperature	:	465°C
Explosion Limits	:	Not available

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

No adverse health effects are expected if the product is handled in accordance with the information provided in this MSDS. Symptoms that may arise if the product is mishandled include:

#### Acute

<i>Swallowed</i>	:	May cause gastrointestinal irritation.
<i>Eye</i>	:	May cause irritation, redness and tearing.
<i>Skin</i>	:	Prolonged and repeated skin exposure may be irritating.
<i>Inhaled</i>	:	Not expected to be an inhalation hazard under normal conditions of use. However mists or aerosols generated when sprayed can irritate the respiratory tract.

#### Chronic

No chronic effects are known for this product.

### FIRST AID

<i>Swallowed</i>	:	Rinse mouth with water. Do not induce vomiting. Seek medical attention.
<i>Eye</i>	:	Immediately flush eyes for a minimum of 15 minutes with copious amounts of water. Ensure that the area under the eyelids is thoroughly irrigated. In all cases of eye contamination, we recommend that medical attention be sought.
<i>Skin</i>	:	Wash contaminated area thoroughly with soap and water. Rinse to remove product residues. Remove contaminated clothing. Launder before re-use. If irritation persists, seek medical attention.
<i>Inhaled</i>	:	Remove victim from source of exposure. Avoid becoming a casualty. Keep victim at rest until recovered. If symptoms persist, seek medical assistance.

#### **First Aid Facilities**

Eyewash stations, safety shower.

#### **Advice to Doctor:**

Treat symptomatically based on individual reaction of patient.

## MATERIAL SAFETY DATA SHEET



Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons.  
**POISONS INFORMATION CENTRE 13 11 26 ( AUSTRALIA ONLY )**

## TOXICITY DATA

Oral LD<sub>50</sub> > 2000 mg/kg (Rat)

### Primary irritant effect:

**Skin :** Due to the product composition slight irritations of the skin cannot be excluded.

**Eye :** Due to the product composition slight irritations of the eyes cannot be excluded.

**Sensitisation :** No sensitising effects known.

**Additional toxicological information:** The product has not been tested. The information is derived from the properties of the individual components. When sprayed in inadequately ventilated spaces, the aerosol drops may seriously irritate the respiratory tract.

### Regulatory information

#### · Australian Inventory of Chemical Substances

All ingredients are listed.

#### · Standard for the Uniform Scheduling of Drugs and Poisons

None of the ingredients is listed.

#### · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

#### Safety phrases:

**S7** - Keep container tightly closed.

**S23** - Do not breathe fumes/aerosol.

**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

## PRECAUTIONS FOR USE

### EXPOSURE STANDARDS

An exposure standard has not been assigned for this product. However the exposure standards for the constituents, assigned by the National Occupational Health and Safety Commission (Worksafe Australia) are:

Constituent	Time Weighted Average (TWA)		Short Term Exposure Limit (STEL)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isopropanol	400	983	500	1230

*TWA – the Time-Weighted Average airborne concentrations over an eight hour working day, for a five day working week over an entire working life.*

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**STEL** – the Short Term Exposure Limit – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to, as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals, as they are not a measure of relative toxicity.

## ENGINEERING CONTROLS

Use in a well-ventilated area. Local exhaust ventilation should be adequate. Ensure good ventilation to maintain air concentrations below exposure standards. This can be achieved by process modification, use of local exhaust ventilation or capturing mists at source.

## PERSONAL PROTECTION

Avoid skin and eye contact. Avoid inhaling mist or heated fumes.

Eye/face protection: Avoid contact with eyes. Wear safety goggles or full-face shield conforming to AS 1337.

Skin protection: Avoid contact with skin. Wear nitrile rubber gloves or other gloves suitable to AS2161, protective clothing & suitable footwear.

Respiratory protection: Do not breathe vapour/dust/spray/fumes. In case of insufficient ventilation wear facemask with dust and vapour filter suitable to AS1716.

Other protection: Do not eat, drink or smoke while handling product. Wash hands thoroughly after handling. Contaminated clothes are to be laundered before re-use.

RCA recommend that personnel wear the standard safety apparel of overalls, boots, gloves and safety glasses or goggles. If there is a risk of inhalation, wear an organic vapour respirator suitable to AS1716.

## INDUSTRIAL HYGIENE

Do not eat, drink or smoke whilst handling. Always wash hands after using the product. Proper standards of industrial hygiene should be practised at all times.

## FLAMMABILITY

Product is not flammable.

## ENVIRONMENTAL IMPACT

Prevent entry to waterways and drains.

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

### Aquatic toxicity:

LC<sub>50</sub> : 10-100 mg/l (Vertebrate)

### Behaviour in sewage processing plants:

EC<sub>50</sub> : .50mg/l (activated sludge)

>70% degree of elimination from water(Method : DOC decrease)

This product does not contain heavy metals in waste water relevant concentrations.

The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

## MATERIAL SAFETY DATA SHEET



## SAFE HANDLING INFORMATION

### STORAGE & TRANSPORT

#### Storage:

Ensure that drums are kept sealed when product is not in use. Store in a cool, well-ventilated area between 5°C and 30°C. Protect from exposure to frost and direct sunlight. Avoid unnecessary personal contact.

#### Transport:

This product is not classified as a dangerous good according to the "Australian Dangerous Goods Code" Edition 7.

### SPILLS

Wear safety equipment. Clean up immediately to avoid accidents. Ensure adequate ventilation. Contain spillage by bunding. Soak up spill with inert absorbent material such as sawdust, sand, soil or vermiculite. Collect spillage and place in suitable containers. Seal and label appropriately. Dispose of in accordance with regulations.

### DISPOSAL

Dispose of in accordance with local regulations.

### FIRE/EXPLOSION HAZARD

No special measures required.

#### Fire fighting equipment:

CO<sub>2</sub>, dry powder and water spray is the recommended extinguishing media for this product. Large fire of this product should be fought with water spray or alcohol resistant foam. Fire fighters to wear self contained breathing apparatus, as there is a risk of exposure to vapour and products of combustion.

### REACTIVITY DATA

#### Decomposition:

If involved in a fire this product will evolve the following; nitrogen oxides (No<sub>x</sub>), hydrogen chloride (HCl), hydrogen fluoride (HF), carbon dioxide (CO<sub>2</sub>), and carbon monoxide (CO).

#### Polymerisation:

Polymerisation is not expected to occur.

#### Incompatibility:

Avoid contact with strong oxidising agents.

**Conditions to Avoid:** As above.

*All information contained in this bulletin is as current and accurate as possible. The company reserves the right to alter formulations and specifications as necessary. As Loral Ipsum cannot control or envisage the conditions that this information is used under, we recommend that each user review the information contained for their specific end use. We will not be responsible for any damages of any type resulting from use of or reliance on the information. No expressed or implied warranties are given apart from those implied by mandatory legislation.*

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