CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER WA 6053
TELEPHONE: Bus. (08) 93782022, Mobile: 0418 956 860 A/H (08) 9381 5052
Facsimile: (08) 9377 2575 A.C.N 009 026 386. ABN 18 340 289 669

THIS PRODUCT IS NOT A HAZARDOUS SUBSTANCE AS DEFINED BY SAFE WORK AUSTRALIA

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:	SUPERSENSOR
Manufacture Code:	SSSR
Emergency Telephone No:	(08) 9378 2022 0408 940 669 (08) 9381 5052
Email:	accounts@calmarc.com.au
Creation Date:	16 June 2003
SDS Responsibility:	Calmarc Chemical's Technical Sales (08) 9378 2022 0408 940 669
Other Information:	This SDS 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 SDS 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 of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibilities for products sold are subject to our standard terms and conditions. A copy of our terms and conditions and technical information pamphlets are available upon request. **DISCLAIMER** This information is based on the present level of knowledge about safety requirements not specific properties. The listed data is therefore subject to change and revision without notice and cannot be guaranteed. No warranty expressed or implied is made as to accuracy, reliability or completeness of the detail in this document.

SECTION 2 – HAZARDS INFORMATION/EMERGENCY OVERVIEW

Globally Harmonised System

Hazard Classification	Not hazardous according to the criteria of the Globally Harmonised System of classification and labelling of Chemicals (GHS).
Hazard Category	None allocated.
Physical Data	**Product is water based.**
Use	Floor and wall vinyl adhesive.
Directions	Screed a layer of SUPERSENSOR with a 1.6mm x 1.6mm x 1.6mm saw tooth trowel, when the SUPERSENSOR changes from white to fawn and becomes tacky, lay in the floorcovering and roll with a heavy roller until flat.

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ACUTE HEALTH EFFECTS

Swallowed Effects unknown. Small quantities (a few mls) is unlikely to cause more than temporary discomfort.

Eye Strong irritant. May cause damage to the eyes on prolonged exposure due to small residual of sodium hydroxide present.

Skin May cause irritation. Repeated exposure may cause dermatitis to susceptible individuals due to degreasing effect of the surfactants present.

Inhalation Possible nausea due to small amounts of styrene butadiene dimer.

Chronic None known at this time.

SPECIAL HEALTH EFFECTS

Environmental Do not allow products to enter drinking water, rivers and streams as it may harm vegetation and wildlife.

SECTION 3 – COMPOSTION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
Acrylic Polymer(s)		30-60% m/m
Inert mineral fillers		10-30% m/m
Gum Rosin		10-30% m/m
Water	7732-18-5	10-30% m/m
Other compounds and/or impurities		<10% m/m

SECTION 4 – FIRST AID MEASURES

Swallowed For a conscious patient, rinse the mouth with water and give plenty of water to drink. Never give a drink to an unconscious person.

Eye Flush eyes with copious amounts of water for 15 minutes with eyes open.

Skin Wash off with soap and water. Remove any contaminated clothing.

Inhaled Remove to fresh air.

Advice to Doctor Treat as for polymerised acrylic resins dispersed in water in the form of an emulsion or treat symptomatically.

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SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion	Wear self-contained breathing apparatus to avoid inhalation toxic smoke or fumes.
Ventilation	Local exhaust and ventilation are recommended if used internally. Externally, normal air movement is usually sufficient.
Earthing	Earth the product container if there is a potential for state electricity build up.
Autoignition Temperature	Only ignites in the presence of a very strong ignition source and only after the water is removed.
Source of Ignition	Keep away from open flame, sparks, high sources of heat transmission and static electricity discharge.
Flash Point	Not applicable – aqueous product.
Extinguishing Media	Use carbon dioxide, dry chemical or B.C.F. fire extinguishers.
Special Fire Fighting Procedures	None
Decomposition Products	Carbon monoxide, carbon dioxide, styrene gases and vapours. Hazardous polymerisation will not occur.
Upper Explosive Limit	N/A
Lower Explosive Limit	N/A
Reactivity	Product may coagulate if in contact with flocculants, e.g. organic solvents and/or salt solutions.
Protection of Firefighters	Wear safety boots, non-flammable overalls, gloves, safety hat (with face shield) or firefighter helmet (preferred), goggles and self-contained breathing apparatus. All skin areas should be covered. Block all drains and water courses to inhibit any spillage into them.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal	Spills should be contained and absorbed with sand, vermiculite, attapulgite or inert material. Place the contaminated material in a plastic or metal container and dispose of it at an industrial waste site. Do not allow the product to enter drains or waterways. Small amounts can cause high turbidity.
Cleaning Protection	Open up the area where spill or leak has occurred to ventilate direct vapours away. Attach earth leak cables to any containers in the spill area. Have absorbents, such as vermiculate, attapulgite, carboard or sand on hand to control flow of the spilled mobile product. Use wet vacuum cleaner or mop to collect any small spills.

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SECTION 7 – HANDLING AND STORAGE

Protection against explosions and fires

Keep containers on site away from sources of heat, sparks and earth if necessary, for static electricity. Use secure locked storage if possible and have forced or natural ventilation over worksite or storage areas.

Packages

The product is supplied in high density polypropylene bottles, jerry cans or cubes. Packaging group type II and III.

Storage

After decanting from containers, tightly reseal containers and store immediately. Store away from food stuffs. Store in a cool, dry, well-ventilated area under cover between 5°C and 30°C. Store containers away from any heat sources, sparks. Do not store with oxidising agents or acids.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards

No airborne limits have been established for SUPERSENSOR. SUPERSENSOR contains residual monomer groups in minor trace amounts of acrylamide, acetaldehyde, acrylonitrile and formaldehyde. Acrylonitrile, acrylamide and formaldehyde are considered probable carcinogens to man. Safe Work Australia have established the limits for the components listed below:

TLV (Acrylamide, Skin 1987/1988)	TWA		0.03 mg/m^3
TLV (Acrylonitrile, Skin 1983/1984)	TWA	2 ppm	4.50 mg/m^3
TLV (Acetaldehyde, 1987/1988)	TWA	100 ppm	150.00 mg/m^3
	STEL	180 ppm	270.00 mg/m^3
TLV (Formaldehyde, 1983/1984)	TWA	1 ppm	1.20 mg/m^3
	STEL	2.5ppm	3.00 mg/m^3

Keep exposure limits below these limits. It is unlikely that airborne concentrations of the trace components would approach Safe Work Australia limits under normal conditions and care of use. If large amounts of the product are applied in enclosed areas without draft, then a half face respirator is recommended.

Engineering Measures

Apply in a well-ventilated area either externally or internally.

Airborne Exposure Limits

No airborne exposure limits have been established. A blanket limit of 10 mg/m^3 for dusts or mists is used in these cases.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection

Wear safety glasses, goggles or preferably a face shield. In enclosed non-ventilated areas, an air line to full head cover helmet with mask may be necessary. Breathing mask to be suitable for organic vapours.

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Skin/Body Protection	Wear vinyl, latex or PVC gloves for 8-hour day. Short-term protection (1 hour), natural rubber is suitable. Wear full coverall clothing protection with safety boots.
Hygiene Measure	Wash hands before meal breaks and at the end of a work period. Any contaminated clothing should be removed. Avoid inhaling any fumes on a long-term basis.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Substance	Formulation of chemicals
Physical Form	Medium viscosity liquid
Colour	Milky pale yellow
Odour	Light odour
pH	8-10
Boiling Point	100°C at 760 mmHg
Melting Point	N/A
Flash Point	N/A
Freezing Point	0°C
Autoignition	Only ignites in the presence of a very strong ignition source and only after the water is removed.
Water Solubility	Miscible in liquid form. Insoluble as a dried film.
Specific Gravity	1.17 g/cc
Corrosivity	Not Corrosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable as supplied at normal (average) atmospheric temperatures.
Reactivity	Product may coagulate if in contact with flocculants, for example, organic solvents and/or solvent solutions.
Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen gases and vapours. Hazardous polymerisation will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

None Known.

SECTION 12 – ECOLOGICAL INFORMATION

None Known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal	Allow absorbents to dry out in the open atmosphere. Contaminated product should be reprocessed by an approved organisation. Place any dried absorbent in plastic bags, seal and dispose at an approved site.

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SECTION 14 – TRANSPORT INFORMATION

Shipping Name	Supersensor
Other Names	Acrylic emulsion adhesive
Dangerous Goods Code	None
Subsidiary Risk	None
UN Number	None
Packaging Group	II or III
I.E.R.G. No.	None
HAZCHEM	None

SECTION 15 – REGULATORY INFORMATION

None Known.

SECTION 16 – OTHER INFORMATION

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product.

Directions for use are on the label and brochure describing **Supersensor**.

SDS NEXT REVIEW DATE 11 September 2024

END OF SDS FOR SUPERSENSOR