

Product Name SUPER SEAL ADVANCED**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Supplier name GO DISTRIBUTION
Address 2882 Midland Highway, Lima South , VIC, 3673, AUSTRALIA
Telephone (03) 5768 2488
Fax (03) 5768 2688
Emergency (08) 9322 1711
Synonym(s) 944KIT - PART NUMBER • 947KIT - PART NUMBER • 948KIT - PART NUMBER • HVAC SEALANTS (FORMERLY) • SUPER SEAL ADVANCED LARGE SYSTEMS • SUPER SEAL ADVANCED MEDIUM SYSTEMS • SUPER SEAL ADVANCED SMALL SYSTEMS
Use(s) INDUSTRIAL APPLICATIONS • LEAK SEALANT
SDS date 28 August 2014

2. HAZARDS IDENTIFICATION**CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA****Risk Phrases**

R10 Flammable.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Safety Phrases

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
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN Number 1993 **Transport Hazard Class** 3
Packing Group III **Hazchem Code** •3Y

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content
TRIETHYL ORTHOFORMATE	CAS: 122-51-0 EC: 204-550-4	Not Available	>30%
ETHYLENEDIAMINE,N-(3-(TRIMETHOXYSILYL)PROPYL)-	CAS: 1760-24-3 EC: 217-164-6	Not Available	1 to 13%
SILANE, TRIMETHOXYVINYL	CAS: 2768-02-7 EC: 220-449-8	Not Available	1 to 13%
METHYLTRIMETHOXSILANE	CAS: 1185-55-3 EC: 214-685-0	Not Available	0.1 to 5%

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

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Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
Advice to doctor	Treat symptomatically.
First aid facilities	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

Flammability	Flammable. May evolve toxic gases (carbon/ silicon oxides, hydrocarbons) when heated to decomposition.
Fire and explosion	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways.
Hazchem code	•3Y • Alcohol resistant foam is the preferred firefighting medium 3 Foam Y Self Contained Breathing apparatus and protective gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear Personal Protective Equipment (PPE) as detailed in Section 8.
Environmental precautions	Prevent product from entering drains and waterways.
Methods of cleaning up	Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.
References	See Sections 8 and 13 for exposure controls and disposal.

7. STORAGE AND HANDLING

Storage	Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards	No exposure standard(s) allocated.
Biological limits	No biological limit allocated.
Engineering controls	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended.

PPE

Eye / Face	Wear splash-proof goggles.
Hands	Wear PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear viton (R) gloves.
Body	When using large quantities or where heavy contamination is likely, wear coveralls.
Respiratory	Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR COLOURLESS LIQUID
Odour	ETHEREAL ODOUR
Flammability	FLAMMABLE
Flash point	30°C
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour density	NOT AVAILABLE
Specific gravity	0.95
Solubility (water)	NOT AVAILABLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT AVAILABLE
Lower explosion limit	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE
% Volatiles	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid exposure to moisture.
Material to avoid	Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), alkalis (eg. sodium hydroxide), heat and ignition sources.
Hazardous Decomposition Products	May evolve toxic gases (carbon/ silicon oxides, hydrocarbons) when heated to decomposition.
Hazardous Reactions	Hazardous polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low toxicity - irritant. During the curing process, small amounts of methanol vapour are evolved. This may only present a hazard in poorly ventilated areas. Use safe work practices to avoid eye or skin contact and inhalation. Due to the product form and nature of use, the potential for adverse health effects may be reduced. The cured product is considered non toxic.
Eye	Irritant. Contact may result in irritation, lacrimation, pain and redness. May result in burns with prolonged contact.
Inhalation	Irritant. Over exposure to vapours may result in irritation of the nose and throat, coughing, nausea and headache.
Skin	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.
Ingestion	Low toxicity. Ingestion may result in gastrointestinal irritation, nausea and vomiting. However, due to

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product form ingestion is considered unlikely.

Toxicity data

TRIETHYL ORTHOFORMATE (122-51-0)	
LCLo (inhalation)	4000 mg/L/8 hours (rat)
LD50 (ingestion)	7060 mg/kg (rat)
LD50 (skin)	> 10 mL/kg (guinea pig)
ETHYLENEDIAMINE,N-(3-(TRIMETHOXSILYL)PROPYL)- (1760-24-3)	
LD50 (ingestion)	7460 mg/kg (rat)
LDLo (skin)	16 g/kg (rabbit)
SILANE, TRIMETHOXYVINYL (2768-02-7)	
LCLo (inhalation)	4000 ppm/H (rat)
LD50 (ingestion)	11.3 ml/kg (rat)
LD50 (skin)	3.54 ml/kg (rabbit)
METHYLTRIMETHOXSILANE (1185-55-3)	
LD50 (ingestion)	12500 uL/kg (rat)

12. ECOLOGICAL INFORMATION

Toxicity	No information provided.
Persistence and degradability	No information provided.
Bioaccumulative potential	No information provided.
Mobility in soil	No information provided.
Other adverse effects	No information provided.

13. DISPOSAL CONSIDERATIONS

Waste disposal	For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	1993	1993	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport Hazard Class	3	3	3
Packing Group	III	III	III

Environmental hazards No information provided**Special precautions for user**

Hazchem code	•3Y
GTEPG	3A1
EMS	F-E, S-E

15. REGULATORY INFORMATION

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Inventory Listing(s)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information	This product is manufactured by: Ciplight Manufacturing, Ph: +1 416 736 9036, 961 Alness Street, Toronto ON M3J 2J1, Canada.
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SILICONE SEALANTS: Toxic vapours released upon curing may result in eye and respiratory tract irritation. A hazard exists when high concentrations are generated in poorly ventilated areas. Once curing is complete, irritating or toxic vapours should no longer be evolved and therefore an inhalation hazard is no longer anticipated. In this cured state the sealant is considered inert and relatively non toxic.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m ³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	PEL	Permissible Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

Revision history

Revision	Description
1.3	Standard SDS Review
1.2	Standard SDS Review
1.1	Standard SDS Review
1.0	Initial SDS creation

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Prepared by

Risk Management Technologies
5 Ventnor Ave, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Email: info@rmt.com.au
Web: www.rmt.com.au.

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End of SDS