

MATERIAL SAFETY DATA SHEET FOR: AF 505 GLASS /MET TRAN

Replaces: April 2005. Date of issue: April 2006.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIERProduct Name: **AF505 GLASS/ MET TRAN**

Other Names: Silicone sealant

Recommended Use: Sealant for the building industry. Apply directly from the cartridge using a caulking gun.

Company: H. B. Fuller

Address: 16-22 Red Gum Drive, Dandenong South VIC 3175

Telephone: (03) 9797 6222

Emergency Telephone No: 1800 033 111

2. HAZARD IDENTIFICATION*Hazardous according to criteria of Worksafe Australia***3. COMPOSITION****Ingredients**

CHEMICAL ENTITY	CAS NO	PROPORTION
Dimethyl siloxane, hydroxy-terminated	70131 - 67 - 8	V. High
Hydrotreated middle petroleum distillates	64742 - 46 - 7	Med.
Silica, amorphous	7631-86-9	Low
Methyl tri (ethylmethylketoxime) silane	22984 -54 -9	Low
Di (ethylmethylketoxime) methoxymethyl silane	83817 - 72 - 5	Low
Gamma-Aminopropyltriethoxysilane	919 -30 -2	Low
Methylethylketoxime	96 - 29 - 7	Low
Vinyltri (methylethylketoxime) silane	2224 -33-1	<1%
Unidentified impurities	-	<1%
Dibutyltin diacetate	1067-33-0	<1%
Other ingredients determined not to be hazardous	Not applicable	To 100%

Low <10%

Med. 10-30%

High 30-60%

V High >60%



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4. FIRST AID MEASURES

Swallowed:

If swallowed, rinse mouth thoroughly with water. Give plenty of water to drink. See a doctor.

Eyes:

If in eye, irrigate immediately with copious amounts of water for 15 minutes with eyelids held open. See a doctor.

Skin:

Wash affected areas immediately with copious quantities of soap and water. Remove contaminated clothing and wash before reuse. See a doctor if irritation persists.

Inhaled:

Remove from exposure. See a doctor if any ill effect persists.

First Aid Facilities:

Have eyewashes available where there is a risk of contact with eyes.

5. FIRE FIGHTING MEASURES

FLASH POINT:	Not applicable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Incomplete combustion can yield low molecular weight hydrocarbons, oxides of carbon, oxides of nitrogen, silicone dioxide, formaldehyde and other hazardous products of combustion.

6. ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
CLEAN-UP:	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

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7. HANDLING AND STORAGE**Storage and Transport:**

Store in a cool dry place, out of direct sunlight. Not classified as Dangerous Goods. No special transport precautions are required.

Incompatibilities: Keep away from strong oxidising agents.

Spills and Disposal:

Immobilise using an absorbent and transfer to a suitable container for disposal. Wash walking surfaces with a detergent and water to reduce slipping hazard. Personnel should wear organic vapour mask during clean up. For disposal, consult responsible authority regarding statutory requirements.

Fire/Explosion Hazard:

This product is not flammable. In a general fire, fire fighters to wear full protective equipment including self contained breathing apparatus if risk of exposure to vapours.

Extinguishing media:

Water spray, water fog, foam or carbon dioxide.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**Safety Phrases:**

S24/25	Avoid contact with skin and eyes.
S37	Wear suitable gloves.
S51	Use only in well ventilated areas.

Exposure standards [NOHSC: 1003 (1995)]:

Ethyl methyl ketoxime	TWA 3 ppm (Vendor guide)
Ethanol	1000 ppm
Methanol	200 ppm

Engineering Controls:

If not working in open air use good general ventilation that will ensure that atmospheric exposure standards are not exceeded. In confined spaces, use a local exhaust that will give sufficient face velocity away from the user to ensure that the exposure limits are not exceeded.

Personal Protection:

Wear safety overalls, safety glasses and Neoprene, nitrile or natural rubber gloves. Respiratory protection is not required under normal conditions of use. However in the case of a spillage or when working in a poorly ventilated area use a half face respirator with an organic vapour type cartridge. Always wash hands before smoking, eating, drinking or using the toilet.

Flammability:

This product is not flammable under normal condition of use. Flammable alcohols are produced while the product cures. Maintain good ventilation, do not smoke or work near ignition sources when using this product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A translucent, viscous paste.

Melting Point: Not determined

Boiling Point: Not applicable

Vapour Pressure: Not determined

Specific Gravity: approx. 0.99

Flashpoint: Not applicable

Flammability Limits: Not determined

Solubility in water: Not soluble

Other Properties

Will cure on contact with water or water vapour

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of temperature and humidity

CHEMICAL INCOMPATIBILITY: Not established

HAZARDOUS POLYMERIZATION

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and other harmful gases be emitted upon burning

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

ACUTE:

Swallowed:

An unlikely route of entry. Available data suggest minimal adverse health effects by this route.

Eye:

Direct contact with the uncured product may cause mild irritation.

Skin:

Contact with uncured product may result in moderate skin irritation.

Inhaled:

Vapour from uncured product may cause mild respiratory irritation. Overexposure to vapour may cause drowsiness and cause irritation to mucus membranes.

CHRONIC:

Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Overexposure by inhalation of the uncured product may lead to blood and liver damage.

Repeated or prolonged skin contact may cause sensitisation.

LONG-TERM (CHRONIC) HEALTH EFFECTS

REPRODUCTIVE: None established

TARGET ORGAN(S): None established

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EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: None established**12. ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available

13. DISPOSAL

Dispose strictly in accordance with local industrial waste disposal and environmental protection regulation.

14. TRANSPORT INFORMATION

Manufacturer's Code: Not applicable

UN Number: None assigned

Dangerous Goods Class: None assigned

Subsidiary Risk: None assigned

Hazchem Code: None assigned

Poisons Schedule: Not scheduled

Packaging Group: I

Storage and Transport: This product is not a Dangerous Good for the purpose of transport.

Consult Bill of Lading for transportation information.

15. REGULATORY INFORMATION

All components of this material are registered with NICNAS and appear on the AICS.

16. OTHER INFORMATION

Methyl ethyl ketoxime (MEKO) is formed during the curing process of this product. Male rodents exposed to MEKO vapour throughout their lifetime developed liver cancer. Additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

Contact point: Technical Manager (03) 9797 6222

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the 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.
