

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF SUBSTANCE/ PREPARATION AND COMPANY

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SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material: Acetoxysilanes %: <5
Risk phrase: R36/38. Irritating to eyes and skin.

OEL (ST):
OEL (LT):
Material: (Equivalent on Hydrolysis to acetic acid.
%: <3.5
Risk phrase: R35 causes severe burns.
OEL (ST): 15ppm
OEL (LT): 10ppm

Risk phrases in this section apply only to raw materials, not necessarily finished products: See section 15 REGULATORY INFORMATION.

SECTION 3. HAZARD IDENTIFICATION

Although the silicone sealant is not classified as irritant, it has been known over many years that operators working in confined areas can experience transient eye and respiratory irritation due to the small amount of acetic acid evolved during the cycle. This can be avoided by employing good standards of industrial hygiene and operating in a well-ventilated area.

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 Deg. C. Do not pierce or burn even after use. Do not discharge on a naked flame or any incandescent material. Ensure adequate ventilation when in use. Keep out of reach of children.

SECTION 4. FIRST AID MEASURES

Skin: **Hazard:** Irritant.
First Aid: Remove soiled clothing immediately and wash the affected area with soap and water. Seek medical advice if irritation persists.
Eyes: **Hazard:** Irritant.
First Aid: Wash the affected eye(s) immediately with clean cold water or eyewash and irrigate for at least 15 mins. Seek medical attention immediately.
Ingestion: **Hazard:** Low systemic toxicity.
First Aid: Give water or milk to drink. Do not induce vomiting. Treat symptomatically.
Inhalation: **Hazard:** Acetic acid in excess of OEL will cause irritation of nasal membranes.

NOTE: In the unlikely event of release of the propellant, the principal hazards to any are cold burns to the eyes, skin and respiratory system. The first aid advice offered above applies in the event of such an occurrence. The propellant may have narcotic effects in high concentrations.

SECTION 5. FIRE FIGHTING MEASURES

NOTE: The propellant is non-flammable and the silicone sealant will only burn if involved in a serious fire. In the event of a fire, adequate precautions should be taken to guard against exploding cans.
Extinguishing media: Carbon Dioxide, foam, dry chemical powder or fine water spray.
Special protective equipment: Suitable respiratory equipment.
Exposure hazards: Acetic acid and possibly silica dust from hydrolysis and combustion of sealant.
There is also the possibility of the production of highly toxic hydrogen halides.

SECTION 6. ACCIDENTAL RELEASE MEASURES

This product is supplied as an inner canister containing a special silicone sealant. The surrounding outer canister contains Propellant 134A under pressure. Damaged containers should be removed to a safe non-working area and allowed vent or cure completely before disposal. See Section 13 DISPOSAL CONSIDERATIONS.

SECTION 7. HANDLING AND STORAGE

The product should be kept in a cool, dry area, out of direct sunlight and away from sources of heat or ignition.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory: Ensure adequate ventilation.
Hands: Gloves recommended.
Eyes: Protective eye wear recommended for use with any industrial product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black, thixotropic paste.
Flash point: >300 Deg. C.
Flammability: Not classified flammable under CHIP regulations 1995.
Dispersibility: Dispersible in aromatic and chlorinated hydrocarbon solvents.
Odour: Acetic Acid.
Relative Density: 1.04.

SECTION 10. STABILITY AND REACTIVITY

Hazardous thermal decomposition products:

Sealant: Carbon monoxide, carbon dioxide, silicone dioxide.
Propellant: Hydrogen halides.

Aerosol propellants, by their very nature are contained in hermetically sealed units. In this product the propellant is contained in an outer canister and is not lost when the inner canister of sealant is exhausted. Spent containers should not be left near sources of heat. The recommended storage tem-

perature is between 5 and 30 Deg. C.

SECTION 11. TOXICOLOGICAL INFORMATION

If employed in a well-ventilated area in which the OEL of acetic is not exceeded, the silicone sealant presents little hazard to the user. The propellant is unlikely to be released, but in the event of such an occurrence, it may exhibit narcotic effects in high concentration and may cause frostbite if in contact with the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological information: The silicone sealant will cure on exposure to atmospheric moisture and is not generally regarded as an ecological hazard. The propellant is not an ozone deplete but does not contribute to global warming.

SECTION 13. DISPOSAL CONSIDERATIONS

Recycling of these barrier packages is not possible. Spent containers may contain small amounts of uncured silicone sealant and the original charge of propellant. They should be disposed of by crushing or removal of the rubber plug in the base of the container and sent for landfill in accordance with local and national legislation.

SECTION 14. TRANSPORT INFORMATION

UN Number: 1950.
IMO Sea: Class 9, Page 9022.
Proper shipping name : Aerosols, non-flammable, N.O.S.
ICAO-Air: Class 2.2.
ADR-Road: Class 2, Item 10A.

SECTION 15. REGULATORY INFORMATION

Supply classification: None.
Risk phrases: None.
Safety phrases: S41. In case of fire and/or explosion, do not breathe fumes.
Hazard pictogram: None required.

SECTION 16. OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

Date of Preparation: 01.02.2003



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