

# MSDS (Material Safety Data Sheet)

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Item	SH-2
Trade Name	Environment friendly LTV Silicone Rubber Compound
Manufacturer	Metal Science Technologies Pty Ltd
Address	43 Shelley Road Moruya NSW Australia
Postal Code	2537
Tel	+612 4474 3394

## 2. COMPONENT

Form	WT%	CAS
Poly(dimethylsiloxane)	40~80	63148-62-9
Silicon Dioxide	20~60	7631-86-9
(R36、R38) divinylteramethyldisiloxane	0.1-0.3	68478-92-2
(R36、R38) Inhibitor	0.05-0.1	78-27-3

## 3. HAZARD IDENTIFICATION

Irritating to eyes, skin and mucous membranes; May be harmful if swallowed;

As the properties of this product have not yet fully been explored, care should be exercised when handling.

## 4. FIRST AID PROCEDURES

**After inhalation:** Move to fresh air. If adverse health effects develop seek medical attention.

**After eye contact:** Immediately flush with plenty of water for at least 20 minutes holding eyelids apart to ensure flushing of the entire surface.

**After ingestion:** Do not induce vomiting; If vomiting occurs naturally, keep airway clear; Get medical attention; Never give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing.

## 5. FIRE FIGHTING PROCEDURES

**Extinguishing Media:** Use CO<sub>2</sub>, dry chemical, Sand or water.

**Exposure hazard:** Keep container cool by spraying with water if exposed to fire; Product may polymerize at high temperature; Polymerization is a highly exothermic reaction and may

produce sufficient; Heat to cause thermal decomposition and/or rupture of container;

**Exposition harm:** Thermal decomposition can lead to the evolution of irritant vapor or gases and/or fire.

## 6. ACCIDENTAL RELEASE PROCEDURES

### Precautions with respect to individuals:

Protective glasses. Suitable gloves. Protective clothing. Remove soaked clothing immediately.

### Precautions with respect to environment:

Avoid discharge into the environment; Stop leaks as soon as possible; Clean up spillage immediately.

**Cleaning up spillage:** Absorb with mineral filler (such as sand, diatomaceous...); Collect and store in a suitable container.

## 7. HANDLING AND STORAGE

**Storage:** Do not expose to environment at up 40°C for long time or to sunlight; Keep away from area with plentiful UV radiation; Collect and store at containers made by zinc-gilt metal, amber glass and amber polyethylene; Do not mix with acid, alkali, strong oxidant and organic solvent; Do not store and convey with foods.

**Further Storage:** Store at cool and dry locations and tightly close.

**Operation:** Prevent spark and explosion. Keep ventilated. Avoid eyes or skin contact. Avoid inhaling.

## 8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION

**Vocational exposure limits:** None (Note: Absorption through skin may be hazardous).

### Personal protection:

**Health limits:** Must wash hands before rest and after working. Immediately remove contaminated and soaked clothing.

**Breath protection:** Keep fully ventilated. Use gas mask (filter) for a while if it is limit to exhaust.

**Hands:** Use protection-safety gloves; Do not use PVC gloves because they could absorb acrylic acid; Use nitrile rubber gloves and PE gloves; Immediately exchange when gloves have scars or their appearances (including size, color and softness) transform.

**Eyes:** Use protection-safety glasses with brim.

**Body:** Protect with clothing.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

## 10. STABILITY AND REACTIVITY

**Conditions to Avoid :** Do not expose to environment at up 60°C or to sunlight; Keep away from heat and friction which may lead to high temperature.

**Materials to Avoid:** Acids; Alkalis; Primary Amines; Secondary Amines; Free Radical Producing Initiators.

**Hazardous Polymerization:** Hazardous polymerization will occur when heated or exposed to sunlight.

Appearance	Milk-white Rubber-Crepe
Odor	Slight
Viscosity	ND
Boiling point	ND
Flash Point	>100 °C (close cup)
Autoignition temp	>380°C
Explosive lower limit	Unknown
Explosive upper limit	Unknown
Vapor pressure	Unknown
Density	1.10-1.20 g /cm <sup>3</sup> (20°C)
Solubility in water	indiscrptible
Volatility	Not volatile

## 11. TOXICOLOGICAL INFORMATION

Complete physiological hazardous information is not yet available. However, it is harmful to body when swallowed and irritative to eyes and skin when contacted.

## 12. ECOLOGICAL INFORMATION

This product may result in pollution. Do not discard through waste water passageway.

## 13. DISPOSAL CONSIDERATIONS

**Discarding:** According to state or local laws, deliver to incineration factory to deal with.

**Unclean package:** Take back to use or discard. Receiver must be informed that it is possibly hazardous.

## 14. TRANSPORT INFORMATION

None. May treat according to fact that it is hazardous to environment.

## 15. REGULATORY INFORMATION

**Symbol:** Xi Irritative Material.

**Phrase R:** R36: Irritative to Eyes; R38: Irritative to Skin.

## 16. OTHER INFORMATION

\* "These data are offered for supplementary information rather than for technical data of our company. This MSDS is written only according to our conditions and thus its accuracy and integrity could be not guaranteed. Unpredicted chemical hazards may occur, must use carefully. It is impossible to assure that there are only the above mentioned hazards at present. User should have professional responsibility for using. "