

IDENTIFICATION**PRODUCT NAME:**Material Use:
Date of MSDS:**IMTECH STR-H-40**Use for cold vulcanization (STR-2000 and STR-FG)
06/02/2010**SUPPLIER INFORMATION**Supplier:
Address:RAM Enterprise, Inc.
1355 West Main Street
Elko, NV 89801
Phone: 800-738-0308
Fax: 877-638-0308
800-255-3924**EMERGENCY TELEPHONE NO:****MATERIAL SAFETY DATA SHEET****SECTION 01: SUPPLIER AND MATERIAL IDENTIFICATION**Supplier's Name: IMTECH Rubber Products
Product Class: Cross Linker
Chemical Family: Isocyanates
Trade Name: IMTECH STR-H-40**SECTION 02: HAZARDOUS INGREDIENTS**

INGREDIENT NAME	CAS NO.	% Content	TLV
4,4' Diphenylmethane	101-68-8	2 – 20	.005 ppm TWA (ACGIH)
Kichloromethane	75-09-2	75-85	50 ppm TWA (ACGIH)
Non-Hazardous and other ingredients below reportable levels	Proprietary	Balance	

SECTION 03: PHYSICAL DATAForm: Liquid Mixture
Color: clear
Specific Gravity: 1.32
Boiling Point: 40°C at 1013 mbar
Vapor Pressure: 453 mbar at 20°C in Methylene Chloride.
0.5 x 10⁹ mbar at 20°C isocyanate only in solution
Solubility in water: Reacts**SECTION 04: FIRE AND EXPLOSION DATA**Flash Point: None
Auto Ignition Temp: 605°C
Flammable Limits in Air: LEL 13% by volume
UEL 22% by volume
Fire Fighting Procedure: Wear self-contained breathing apparatus in confined areas or when exposed to combustion products.
Thermal Decomposition: No decomposition below initial boiling point.
Extinguishing Media: Extinguishing powder, CO₂ and halons, large fires use also foam and water.**SECTION 05: REACTIVITY DATA**Stability: Stable at ambient temperatures and pressure
Hazardous Polymerization: Will not occur
Incompatibility: Avoid contamination with water and strong oxidizers and foreign matter.

Hazardous Decomposition Products:

Thermal decomposition may produce hydrogen cyanide and oxides of nitrogen and carbon. Methylene chloride may decompose to trace elements of Hydrochloric Acid, Phosgene, Chlorides.

Hazardous Reactions:

Exothermic reaction with amines, alcohols, acids and alkali. Reacts with water forming CO₂. Closed containers may rupture owing to increase in pressure.

Methylene Chloride may react violently under decomposition with unprotected aluminum surfaces.

SECTION 06: HEALTH RELATED DATA

Specific Hazard:

Potential skin, eye and respiratory irritant.

Exposure Limits:

Isocyanate: TWA TLV .005 (ACGIH 1988-89)

Methylene Chloride: 50 ppm TLV

Routes of Exposure:

Inhalation, skin, eye contact.

Animal Data:

Oral LD50 (rat) 5019 mg/kg

Effects of Overexposure:

Vapors of methylene chloride are not likely to cause organic injury. Overexposure may cause anaesthetic effects. Prolonged skin exposure may cause dermatitis and defatting of the skin.

FIRST AID:

Eyes:

Immediately flush with plenty of flowing water for at least 15 minutes. Get medical attention.

Skin Contact:

Wipe off excess material with clean cloth. Clean exposed area with isopropanol followed by soap and water. Remove clothing if contaminated and launder before reuse. Seek medical attention if irritation persists or dermatitis develops.

Inhalation:

Remove to fresh air, restore or aid breathing if required.

Ingestion:

Do NOT induce vomiting. Get medical attention.

SECTION 07: SPILL OR LEAK PROCEDURES

Handling and Storage:

Store at room temperature away from heat and moisture. Do not expose to temperatures above 40°C. Handle only in well ventilated area. User personal equipment for protection of eyes and skin. Keep away from foodstuffs.

Spills:

Cover spills with inert absorbent material. Wear full protective equipment including self contained breathing apparatus. Saturate spill with excess neutralizing solution (1% ammonia in water + 10% isopropanol). Ventilate the area. Do not use unprotected aluminum storage vessels to hold leaked materials.

Waste Disposal:

In accordance with local, state and federal regulations.

Environmental Information:

Reacts with water at the interface producing CO₂ and forming an insoluble polyurea with a high melting point. This reaction is accelerated by ammonia, soda, or alcohols in connection with surfactants (eg. detergents). Polyurea is inert and not biodegradable.

SECTION 08: CONTROL MEASURES

Respiratory Protection:

Approved atmospheric supply respirator in pressure

Protective Gloves:
Eye Protection:
Ventilation:

demand or other positive pressure modes in unventilated areas.
Impervious PVA gloves.
Chemical safety goggles.
Sufficient ventilation to prevent against overexposure to vapors.
Protective clothing to cover exposed skin.

Clothing:

SECTION 09: REGULATORY INFORMATION

WHMIS:

D-1.B.
D-2.B.
Dichloromethane
UN 1593
Poison label
UN 1593 Cl. 6.1 Pkg. III

Proper Shipping Name:

UN Number:

Labeling:

TDG: (IATA AND IMO)

SECTION 10: OTHER INFORMATION

The regulatory information given above only indicates the principal regulation specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Suitable precautionary measures must be taken to ensure that the applicable exposure limits are met in the working area and impairment of health is avoided. Required industrial safety measures, including effective ventilation and exhaust ventilation in the working area must comply with the existing accident prevention rules.

All components of this product are listed in the European Inventory of Existing Commercial Substances (EINECS) under the provisions laid down in the corresponding EEC-Directive.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Our technical advise – whether verbal, in writing or by the way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses.

The applications, use and processing of the products are beyond our control, and therefore, entirely your own responsibility. If, in spite of this, liability should be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

PREPARED BY:

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1355 West Main Street
Elko, NV 89801

TELEPHONE NUMBER:

800-738-0308

DISCLAIMER:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.