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## SAFETY DATA SHEET

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### IMTECH RUBBER PRODUCTS

STR-2100

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#### Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Products Name:** STR-2100  
**Chemical Family:** Synthetic elastomers, resins and solvents.  
**Chemical Name:** Polychloroprene solvent adhesive  
**Applications:** Rubber Adhesive

**Supplier's Name:** **IMTECH Rubber Products**  
1225 W. Main St.  
Elko, NV 89801  
Tel: (800) 738-0308 Fax: (877) 638-0308

**Prepared by:** IMTECH Rubber Products  
**Preparation Date of SDS:** October 27, 2015  
**24 Hour Emergency Telephone Number (ChemTel):** 800-255-3924 / +01-813-248-0585

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#### Section 2 – HAZARD(S) IDENTIFICATION

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##### Target Organs

Blood, Kidney, Liver, Central Nervous System, Liver, Kidney, Blood

**WHMIS Hazardous Class:** B2 FLAMMABLE LIQUIDS  
D2B TOXIC MATERIALS

**NFPA RATINGS:** HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0  
**HMIS RATINGS:** HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0

##### GHS Classification

Flammable liquids (Category 2)  
Acute toxicity, Dermal (Category 5)  
Acute toxicity, Inhalation (Category 5)  
Skin corrosion/irritation (Category 2)  
Serious eye damage/eye irritation (Category 2A)  
Specific target organ toxicity - single exposure (Category 3), Central nervous system  
Aspiration hazard (Category 1)  
Acute aquatic toxicity (Category 1)

Signal word: **DANGER**

##### Hazard Statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H313 May be harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H333 May be harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.

**Precautionary statements:**

- P210 Keep away from heat/sparks/open flame, hot surfaces - no smoking.  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
 P264 Wash exposed skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331 Do NOT induce vomiting.

**GHS Labeling**

Pictograms

**GHS Precautionary Statements for Labelling**

- P261 P271 Avoid breathing vapour. Use only in a well ventilated area.  
 P262 P264 Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear eye protection, protective gloves and clothing of butyl or "Viton".  
 P273 P391 Avoid release to the environment. Collect spillage.

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation. Vapors may cause drowsiness and dizziness.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

### Section 3- COMPOSITION / INFORMATION ON INGREDIENTS

	Cas No.	Percentage (W/W)	LD50 and LC50 Route & Species
Ethyl Acetate	141-78-6	25 – 45*	400 ppm TLV 400 ppm TWA
Cyclohexane	110-82-7	25 – 45*	100 ppm TLV 300 ppm TWA

*\*Exact percentages are withheld as a trade secret however the health and environmental hazard effects stated in this SDS describe the effects of the highest concentration of each ingredient; in compliance with (ST/SG/AC.10/30/Rev.6) and (29 CFR 1910.1200).*

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#### Section 4 - FIRST AID MEASURES

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<b>Eye Contact:</b>	Immediately flush eyes with gently flowing water for at least 15 minutes or until the chemical is removed. Hold eyelids open during flushing. Take care not to rinse the contaminated water into the unaffected eye or face. Seek immediate medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing, including shoes, after flushing with water has begun. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention.
<b>Inhalation:</b>	If symptoms are experienced, remove source of contamination and, move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. In situations where administering oxygen is appropriate, first aid administrator must be trained in the safe use and handling of oxygen. It is preferable to administer oxygen under a doctor's supervision or advice. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention IMMEDIATELY.
<b>Ingestion:</b>	Seek immediate medical attention. Do NOT Induce vomiting. Do not attempt to give anything by mouth to an unconscious or convulsing person. IMMEDIATELY contact local Poison Control Centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid aspirating the liquid into the lungs. Administer artificial respiration if breathing has stopped. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately.
<b>Note to Physician:</b>	Treatment based on sound judgment of physician and individual reactions of patient.

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#### Section 5 – FIRE FIGHTING MEASURES

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<b>Flash Point:</b>	-4°C to -20°C
<b>Flash Point Method:</b>	(Closed cup)
<b>Auto Ignition Temp:</b>	245°C To 485°C
<b>Flammable Limits in air (%):</b>	Lower: 1.3% Upper: 11.5%
<b>Extinguishing Media:</b>	Use DRY Chemicals. CO2. alcohol foam or water spray. This material may produce a floating fire hazard in extreme fire conditions.
<b>Special Exposure Hazards:</b>	Flammable Liquid. Isolate and restrict area access. Stop leak only if safe to do so. Move containers from fire area if you can do so without risk. Fight fire from a safe distance and from a protected location. Use fine water spray or fog to control fire spread and cool adjacent structures or containers. This material may produce a floating fire hazard in extreme fire conditions. Vapours are heavier than air and may accumulate in low areas. Vapours may travel along the ground to be ignited at distant locations. Do not allow runoff to enter waterways or sewer.
<b>Hazardous Decomposition/ Combustion Materials:</b>	A Complex mixture of airborne solids, liquids, gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

**Special Protective Equipment:** Wear protective clothing and self-contained breathing apparatus. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA is optional.

**NFPA RATINGS:** HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0  
**HMIS RATINGS:** HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0

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### Section 6 – ACCIDENTAL RELEASE MEASURES

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**Personal Precautionary Measures:** Wear appropriate protective equipment.  
**Environmental Precautionary Measures:** Prevent entry into sewers or streams, dike if needed. Prevent contamination of soil. Consult Local authorities.

**Procedure for Clean Up:** Immediately evacuate the area. Isolate hazard area and restrict access. Prevent contamination of waterways. Absorb with an inert dry material and place in an appropriate waste disposal container. Large spills, dike and pump into suitable containers. Clean up all residual with absorbent material. Place in appropriate container. Notify applicable government authority if release is reportable or could adversely affect the environment. Ventilate the area thoroughly.

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### Section 7 – HANDLING AND STORAGE

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**Handling:** Flammable. For Industrial Use Only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personal protective equipment. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge ( $\geq 10$  m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations. Extinguish any naked flames.

**Storage:** Store in a cool, dry, well ventilated area, away from heat and ignition sources. Keep containers tightly closed. Store out of direct sunlight and on an impermeable floor.

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### Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering Controls:** Local exhaust ventilation as required to maintain exposure to within applicable limits. Use explosion proof equipment. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Ventilate low lying areas such as sumps or pits where dense vapours may collect.

**Respiratory Protection:** If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied

air respirator.

**Gloves:** Impervious gloves. Butyl rubber gloves. Silver Shield(R). 4H(R).

**Skin Protection:** Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Personal Protective Data:** Ensure that eyewash stations and safety showers are proximal to the work station location.

Ingredients	Exposure Limit	Exposure Limit	Immediately Dangerous to Life or Health – IDLH
	ACGIH	OHSA	
Ethyl Acetate	=400 ppm TWA	400 ppm TWA	2,000 ppm
Cyclohexane	=100 ppm STEL	300 ppm TWA	1,300 ppm

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### Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Liquid.

**Color:** Clear

**Odor:** Sweet Ketone

**Specific Gravity:** 0.9 (water = 1)

**Boiling Point:** 78 to 81°C

**Melting/Freezing Point:** Not available

**% Volatility:** Not available

**Vapor Pressure:** 10.33 kPa ( 77.5 mm Hg.) @ 20°C

**Vapor Density:** 2.41 (Air = 1.0)

**Viscosity:** Not Available

**VOCs:** 50 - 85%

**Odour threshold:** Not available

**Solubility:** Partially soluble in water.

**Evaporation Rate:** > 4.1

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### Section 10 – STABILITY AND REACTIVITY

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**Chemical Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** High temperatures, sparks, open flames and all sources of ignition.

**Materials to Avoid:** Oxidizing agents. Strong bases. Strong alkalis. Reducing agents. Amines, ammonia, aldehydes. Halogens, Hydrogen peroxide.

**Hazardous decomposition Products:** Peroxides.

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### Section 11 – TOXICOLOGICAL INFORMATION

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**Principle Routes of Exposure:**

**Ingestion:** Harmful if swallowed. May cause irritation of the mouth, throat and esophagus. Product has laxative properties and may result in abdominal cramps and diarrhea.

**Skin Contact:** Repeated or prolonged contact may cause defatting and drying of

the skin which may result in skin irritation and dermatitis.

**Inhalation:** High concentrations may cause drowsiness and irritation of the eyes or respiratory tract. Excessive inhalation causes headache, dizziness, nausea and incoordination.

**Eye Contact:** High vapour concentration will cause eye irritation.

**Acute Test of Product:** **Ethyl Acetate** **Cyclohexane**

**Acute Oral LD50:** 5,600 mg/kg (Rat) Not available.

**Acute Dermal LD50:** > 20 mL/kg. (Rabbit) Not available.

**Acute Inhalation LC50:** 16,000 ppm (Rat – 6 hr.) Not available.

**Carcinogenicity:** **IARC** – Not listed.

**ACGIH** – Not listed.

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/  
Terratogenicity/Embryotoxicity/  
Mutagenicity:** Not available.

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### Section 12 - ECOLOGICAL INFORMATION

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<b>Ecotoxicological Information:</b>	<b>Ecotoxicity – Fish Species Data</b>	<b>Ecotoxicity Freshwater Algae</b>
Ethyl Acetate:	LC50 (Pimephales promelas) subspicatus) 230 mg/L LC50 (Oncorhynchus mykiss) 484 mg/L	EC50 (Scenedesmus 3,300 mg/L
Cyclohexane:	LC50 (Lepomis macrochirus) subspicatus) 34.72 mg/L LC50 (Pimephales promelas) 4.53 mg/L	EC50 (Scenedesmus 500 mg/L
<b>Other Information:</b>	No other remarks.	

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### Section 13 – DISPOSAL CONSIDERATIONS

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**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with local, state/provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

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**Section 14 – TRANSPORT INFORMATION**

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**Proper Shipping Name:** Adhesive (Containing Flammable Liquid)  
**TDG (IATA and IMO):** Cl. 3 UN 1133 PG. II  
**Hazard Label / Placards:** FLAMMABLE

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**Section 15 – REGULATORY INFORMATION**

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**U.S. TSCA Inventory Status:** All compounds of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All compounds of this product are either on the Domestic Substances List (DSL); the Non- Domestic Substances List (NDSL) or exempt.

**Note:** Not available.

<u>US Regulatory Rules</u>	<b>CECLA/SARA Section 302:</b>	<b>SARA (311, 312) Hazard Class:</b>	<b>CERCLA/SARA Section 313:</b>
<b>900-E Components:</b>	Not Listed	Listed	Not Listed
<b>California Proposition 65:</b>	Not Listed.		
<b>MA Right to Know List:</b>	Listed.		
<b>New Jersey Right-to-know List:</b>	Listed.		
<b>Pennsylvania Right to Know List:</b>	Listed.		

**WHMIS Hazardous Class:** B2 FLAMMABLE LIQUIDS  
D2B TOXIC MATERIALS

**NFPA RATINGS:** HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0  
**HMIS RATINGS:** HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0

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**Section 16 – OTHER INFORMATION**

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All employees or contractors etc. who use this product must have access to this Safety Data Sheet.

This information is furnished without warranty, representation, inducement or licence of any kind, except that it is accurate to the best of IMTECH Rubber Products knowledge or is obtained from sources believed by IMTECH Rubber Products to be accurate. IMTECH Rubber Products makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use or reliance on same. Customers are encouraged to conduct their own tests.

**DATE OF ISSUE:** Oct. 27, 2015  
**HISTORY REVISION:** SDS updated to comply with GHS regulations.  
Replaces MSDS dated Dec 01, 2014.  
**PREPARED BY:** IMTECH Rubber Products

\*\*\*END OF SDS\*\*\*