

SAFETY DATA SHEETS

FAST SETTING RUBBER (FSR) PART A

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FAST SETTING RUBBER (FSR) PART A
MANUFACTURER: Sani-Tred/ Incredible Products LLC. ADDRESS: 1101 Lincoln Ave, Wapakoneta, OH 45895
INFORMATION PHONE: 567-297-3700 EMERGENCY PHONE: 800-424-9300
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SECTION 2: HAZARDOUS IDENTIFICATION

Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2B
Respiratory Sensitizer: Category 1
Skin Sensitizer: Category 1
Carcinogenicity: Category 2

Signal Word: Danger

Hazardous Statements- Health:

H320- May cause eye irritation
H315- May cause skin irritation
H317- May cause an allergic skin reaction
H333- May be harmful if inhaled
H334- May cause allergy or respiratory difficulties if inhaled

Precautionary Statements- General:

P101- If medical advice is needed, have product container or label at hand
P102- Keep out of reach of children
P103- Read label before use

Precautionary Statements- Prevention:

P210- Keep away from heat/sparks/open flames/hot surfaces
P264- Wash thoroughly after handling
P280- Wear protective gloves/protective clothing/eye protection/ face protection
P261- Avoid breathing dust/fume/gas/mist/vapors/spray
P284 - <In case of inadequate ventilation> wear respiratory protection.
P201- Obtain special instructions before use
P202- Do not handle until all safety precautions have been read and understood

Precautionary Statements- Response:

P332 + P313- If skin irritation occurs: Get medical advice/attention
P305 + P351 + P338+- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313- If eye irritation persists: Get medical advice/attention
P304 + P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing
P342 + P311- If experiencing respiratory symptoms: Call a POISON CENTER/doctor
P302 + P352- IF ON SKIN: Wash with plenty of water
P333 + P313- If skin irritation or rash occurs: Get medical advice/attention
P321- Specific treatment (see section 4 on this SDS)
P308 + P313- IF exposed or concerned: Get medical advice/attention

Precautionary Statements- Storage:

P405- Store locked up

Precautionary Statements- Disposal:

P501 - Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS. NO</u>	<u>WEIGHT%</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>
*3-ISOCYANATOMETHYL-3,5,5	4098-71-9	0-2	.550 ppm	N/A
TRIMETHYL CYCLOHEXYL ISOCYANATE URETHANE PREPOLYMER	Secret	60-95	N/A	N/A
TITANIUM DIOXIDE	13463-67-7	0.5-5	10 mg/m ³	N/A
4-METHYL-1,3 DIOXOLANE-2-ONE	108-32-7	5-15	N/A	N/A
- BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) SEBACATE	41556-26-7	0-1	N/A	N/A

*** Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. Information concerning non-hazardous ingredients is considered a Trade Secret**

SECTION 4: FIRST AID MEASURES

INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately.

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband

SKIN CONTACT:

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard. IF exposed or concerned: Get medical advice/attention.

EYE CONTACT:

Remove source of exposure or move the person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 min. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention. Avoid direct contact. Wear chemical protective gloves, if necessary.

INGESTION:

Wash out mouth with water. Remove dentures if any. Remove the victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Dry chemical, foam, carbon dioxide. If water is used, use very large quantities of cold water. The reaction between water and hot isocyanate may be vigorous.

UNSUITABLE EXTINGUISHING MEDIA:

N/A

Specific Hazards in Case of Fire:

Water contamination will produce carbon dioxide. Do not reseal contaminated containers as pressure buildup may rupture them.

FIRE-FIGHTING PROCEDURES:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from the fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

SPECIAL PROTECTIVE ACTIONS:

Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required. Care should always be exercised in dust/mist areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Soak up material with absorbent and shovel into a chemical waste container. Cover the container, but do not seal, and remove from the work area. Prepare a decontamination solution of 2.0% liquid detergent and 3-8% concentrated ammonium hydroxide in water (5-10% sodium carbonate may be substituted for the ammonium hydroxide). Treat the spill area with the decontamination solution, using about 10 parts of solution for each part of the spill, and allow it to react for at least 15 minutes.

Recommended Equipment:

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved). Wear skin, eye, and respiratory protection during cleanup.

Personal Precautions:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in the hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Carbon dioxide will be evolved, leaving insoluble polyureas. Residues from spill cleanup, even when treated as described, may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste.

SECTION 7: HANDLING AND STORAGE

GENERAL:

Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

VENTILATION REQUIREMENTS:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

STORAGE ROOM REQUIREMENTS:

Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store liquid in containers above ground and surrounded by dikes to contain spills or leaks. Keep containers closed when not in use. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for the entire face, use it in combination with a face shield.

SKIN PROTECTION:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect workers, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. When airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece or an air supplied hood. For emergencies, use a positive pressure self-contained breathing apparatus. Air purifying (cartridge type) respirators are not approved for protection against isocyanates.

APPROPRIATE ENGINEERING CONTROLS:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.
Use explosion-proof ventilation equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:

(H₂O=1): 1.034

BOILING POINT:

>149°C (300°F)

EVAPORATION RATE:

5.6 (butyl acetate = 1)

VAPOR DENSITY:

1.617 [Air = 1]

SOLUBILITY IN H₂O:

Reacts with water

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

The product is stable under normal circumstances

CONDITIONS TO AVOID:

Avoid all possible sources of ignition (spark or flame), heat, high temperature, sparks, and moisture. Contact with incompatible materials in a closed system will cause liberation of carbon dioxide and buildup of pressure.

HAZARDOUS REACTIONS/POLYMERIZATION:

Will not occur during normal circumstances

INCOMPATIBLE MATERIALS:

This product will react with any material containing active hydrogens, such as water, alcohol, ammonia, amines, alkalis and acids, the reaction with water is slow under 50°C, but is accelerated at higher temperature and in the presence of alkalis, tertiary amines, and metal compounds. Some reactions can be violent.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide, carbon monoxide, nitrogen oxides, trace amounts of hydrogen cyanide and unidentified organic compounds may be formed during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

HAZARDOUS COMPONENTS	CAS. NO	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		
		OSHA STEL	ACGIH TLV	MFG TLV	mm	Hg @Temp	%by Weight
*3-ISOCYANATOMETHYL-3,5,5	4098-71-9	.550 ppm	.550 ppm		.0003	20°C (68°F)	0-2
TRIMETHYL CYCLOHEXYL ISOCYANATE URETHANE PREPOLYMER	Trade Secret	(SKIN) NE	(SKIN) NE				60-95
TITANIUM DIOXIDE	13463-67-7	15 mg/m ³	10 mg/m ³				0.5-5
4-METHYL-1,3 DIOXOLANE-2-ONE	108-32-7	N/E	N/E				5-15
- BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) SEBACATE	41556-26-7	N/E	N/E				0-1

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Information on toxicological effects

Symptoms: Causes serious eye irritation, respiratory tract irritation, coughing

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. At concentrations exceeding current occupational limits and for sensitized individuals at levels less than or greater than current occupational limits, asthma-like symptoms may occur. These symptoms may include coughing, wheezing, and shortness of breath. A hypersensitive pneumonitis may also occur if the person is sensitized. This syndrome is characterized by fever, nonproductive cough, wheezing, chills, and shortness of breath. Dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects may also result. The effects of acute exposure may be delayed in onset up to 12-24 hours.

Chronic Repeated Exposure

Above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness. Central nervous system (CNS) impairment possibly leading to unconsciousness.

Skin corrosion/irritation: Systemically toxic concentrations of this product will probably not be absorbed through human skin.

Serious eye damage/eye irritation: Irritating to eyes.

Irritation: Irritating to eyes

Sensitization: Yes

Germ cell mutagenicity: N/A

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: N/A

STOT - single exposure: N/A

STOT - repeated exposure: N/A

Aspiration hazard: N/A

SECTION 12: ECOLOGICAL INFORMATION

N/A

Other adverse effects: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Slowly stir the isocyanate waste into the decontamination solution described above. Let stand for 48 hours, allowing the evolved carbon dioxide to vent away, residues may still be subject to RCRA storage and disposal requirements. Dispose off in compliance with all relevant local, state, and federal laws and regulations regarding treatment

SECTION 14: TRANSPORTATION INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA: Does not comply

DSL/NDSL: Does not comply

EINECS/ELINCS: Does not comply

ENCS: Does not comply

IECSC: Does not comply

KECL: Does not comply

PICCS: Does not comply

AICS: Does not comply

Legend: **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

SARA 311/312 Hazard Categories

Acute health

hazard: Yes

Chronic Health Hazard: Yes

Fire hazard: Yes

Sudden release of pressure hazard: N/A

Reactive Hazard: No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (N/A)

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

SECTION 16: OTHER INFORMATION

DISCLAIMER:

The information contained herein is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.