



Safety Data Sheet

RF 7050

Section 1. Identification

Product Identifier	RF 7050				
Synonyms	Neoprene rubber and gasket adhesive				
Manufacturer Stock Numbers	11418				
Recommended use	Epoxy Adhesive				
Uses advised against	Avoid high temperatures, flames and contact with strong oxidizing agents.				
Manufacturer Contact Address	Resin Formulators 18027 Bishop Avenue Carson, CA, 90746 USA				
Phone	(310) 204-6159	Emergency Phone	(800) 424-9300	Fax	(310) 202-7247
			CHEMTREC		
Email	sales@evroberts.com	Website	http://www.evroberts.com		

Section 2. Hazards Identification

Classification	ACUTE TOXICITY - DERMAL - Category 5 ACUTE TOXICITY - ORAL - Category 5 EYE DAMAGE/IRRITATION - Category 2B FLAMMABLE LIQUIDS - Category 3
Signal Word	Warning
Pictogram	A red diamond-shaped hazard pictogram containing a black flame symbol, representing a flammable liquid and vapor.
Hazard Statements	Flammable liquid and vapor

	<p>May be harmful if swallowed May be harmful in contact with skin Moderately irritating to eyes</p>
Precautionary Statements	
Response	<p>Call a poison center/doctor/ ... /if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use ... to extinguish.</p>
Prevention	<p>Ground/bond container and receiving equipment. Keep away from heat. Keep container tightly closed. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/.../equipment. Use only non-sparking tools. Wear protective gloves/eye protection/face protection</p>
Storage	<p>Store in a well-ventilated place. Keep cool.</p>
Disposal	<p>Dispose of contents/container to ...</p>
Ingredients of unknown toxicity	<p>0%</p>
Hazards not Otherwise Classified	
EMERGENCY OVERVIEW	<p>Moderate eye irritant. Moderate skin irritant. May cause sensitization by skin contact.</p>
Health Hazards	<p>Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapors. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause allergic skin reaction. May cause target organ effects. Contains a chemical or chemicals which can cause birth defect or other reproductive harms.</p>
Potential Health Effects	
Eye contact	<p>Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.</p>
Skin contact	<p>Moderate Skin Irritation: Signs/symptoms may include redness, swelling, itching, and dryness.</p>
Inhalation	<p>Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. Respiratory Tract irritation: Sign/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.</p> <p>Prolonged or repeated exposure may cause: Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, sneezing, increase heart rate, blush colored skin (cyanosis), sputum production, changes in lung function test, and/or respiratory failure.</p>
Ingestion	<p>May be absorbed following inhalation and cause target organ effects. Gastrointestinal Irritation: Sign/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.</p>
Target organ	<p>May be absorbed following ingestion and cause target organ effects. Central Nervous System (CNS) Depression: Sign/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time,</p>

slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Olfactory Effects: Signs/symptoms may include decreased ability to detect odors and/or complete loss of smell.

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
8050-09-7	Rosin	.01-1.0 %
1314-13-2	Zinc oxide (ZnO)	.01-1.0 %
110-82-7	Cyclohexane	.01-2 %
64741-84-0	Naphtha, petroleum, solvent-refined light	10-30 %
78-93-3	2-Butanone	10-30 %
9010-98-4	1,3-Butadiene, 2-chloro-, homopolymer	10-30 %
68037-42-3	Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex	10-30 %
108-88-3	Benzene, methyl-	5-10 %
110-54-3	Hexane	5-15 %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

NOTE

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact

Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists repeat flushing and obtain medical attention IMMEDIATELY.

Skin

Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Inhalation

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Ingestion

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Give victim a glass of water or milk. Wash out mouth with water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media

Auto ignition temperature: 404°C
Flash Point: -4°F Test Method: Closed Cup
Details: Petroleum Distillates

Flammable Limits – LEL, 1.0% volume
Flammable Limits – UEL, 10.0% volume
OSHA Flammability Classification: Class 1B Flammable Liquid

Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide)
Water may not effectively extinguish fire, however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

Unsuitable Extinguishing Media

N/A

Section 6. Accidental Release Measures

Accidental Release Measures

Refer to other sections of this MSDS for information regarding physical and health hazards.

Section 7. Handling and Storage

Handling

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Contents may be under pressure, open carefully. Ground containers securely when transferring contents. Wear low static properly grounded shoes. Avoid static discharge. Avoid eye contact with vapors, mists, or spray. Vapors may ignite explosively. May cause flash fire. Prevent build-up of vapors – open all windows and doors. Maintain vapor concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapors may settle in low-lying areas. Keep away from heat, spark, and open flames. Do not smoke or ignite matches, lighters, etc. Avoid contact with oxidizing agents.

Storage

Store away from acids. Store away from heat. Store out of direct sunlight. Keep container in well-ventilated area. Keep container tightly closed. Store away from oxidizing agents. Products are heat sensitive.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Rosin	N/A	N/A	N/A
	Zinc oxide (ZnO)	N/A	N/A	N/A
	Cyclohexane	N/A	N/A	N/A
	Naphtha, petroleum, solvent-refined light	N/A	N/A	N/A
	2-Butanone	N/A	N/A	N/A
	1,3-Butadiene, 2-chloro-, homopolymer	N/A	N/A	N/A
	Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol, magnesium oxide complex	N/A	N/A	N/A
	Benzene, methyl-	N/A	N/A	N/A
	Hexane	N/A	N/A	N/A

Personal Protective Equipment
Engineering Controls

Goggles, Gloves, PROTECTIVE CLOTHING, SAFETY GLASSES, VENTILATION

Provide appropriate local exhaust ventilation on open containers. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposure to below Occupation Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

Personal Protective Equipment
Eye protection

Avoid eye contact with vapors, mists, or spray.
The following eye protection(s) are recommended: Indirect Vented Goggles.

Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacture for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Polyethylene/Ethylene Vinyl Alcohol.

Respiratory Protection
Prevention of Swallowing

Avoid breathing of vapors, mists or spray.
Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Exposure Guidelines

Ingredient : Authority : Type : Limit : Additional Information

Cyclohexane : ACGII : TWA : 100 ppm
Cyclohexane : OSHA : TWA : 300 ppm : Table Z-1
n-Hexane : ACGIH : TWA : 50 ppm : Skin Notation*
n-Hexane : OSHA : TWA, vacated : 50 ppm : Table Z-1
n-Hexane : OSHA : TWA : 500 ppm : Table Z-1
Mealy Ethyl Ketone : ACGIH : TWA : 200 ppm
Mealy Ethyl Ketone : ACGIH : STEL : 300 ppm
Mealy Ethyl Ketone : OSHA : TWA : 200 ppm : Table Z-1
Mealy Ethyl Ketone : OSHA : STEL : 300 ppm : Table Z-1
Tohene : ACGIH : TWA : 20 ppm : Table Z-1
Tohene : CMRG : STEL : 75 ppm : Skin Notation*
Tohene : OSHA : TWA, vacated : 100 ppm
Tohene : OSHA : STEL, vacated : 150 ppm
Tohene : OSHA : TWA : 200 ppm : Table Z-2
Tohene : OSHA : CEIL : 300 ppm : Table Z-2
Zine Oxide : ACGIH : TWA, reparable : 2 mg/m3
Zine Oxide : ACGIH : STEL : 10 mg/m3

Zine Oxide : OSHA : TWA, as fume : 5 mg/m3 : Table Z-1
 Zine Oxide : OSHA : TWA, respirable : 5 mg/m3 : Table Z-1
 Zine Oxide : OSHA : STEL, vacated as fume : 10 mg/m3
 Zine Oxide : OSHA : TWA, vacated as dust : 10 mg/m3
 Zine Oxide : OSHA : TWA, vacated as dust : 15 mg/m3 : Table Z-1

* Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance.

VAC Vacated PEL.: Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

SOURCE OF EXPOSURE LIMIT DATA:
 ACGIH: American Conference of Governmental Industrial Hygienists
 CMRG: Chemical Manufacturer Recommended Guideline
 OSHA: Occupational Safety and Health Administration
 AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Yellow
Odor	solvent oror
Odor Threshold	N/A
Solubility	Nil
Partition coefficient Water/n-octanol	N/A
VOC%	580 g/l
Viscosity	2200 - 3200 centipoise
Specific Gravity	0.88
Density lbs/Gal	0.88
Pounds per Cubic Foot	N/A
Flash Point	-4°F
FP Method	Closed Cup, Petroleum Distillutes
Ph	N/A
Melting Point	N/A
Boiling Point	=>80°C
Boiling Range	N/A
LEL	1
UEL	10
Evaporation Rate	=> 2.0
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	404°C
Vapor Pressure	<=91 mmHg [@77°F]
Vapor Density	=>2.41 ref. std air=1

Hazardous Air Pollutants .55 lb HAPS/lb solids
21 % weight
1.5 lb HAPS/gal

Section 10. Stability and Reactivity

Chemical Stability Stable under normal conditions.
Conditions to Avoid Avoid high temperatures. Avoid flames and contact with strong oxidizing agents.
Hazardous Decomposition Nitrogen Oxides, Carbon Monoxide, Carbon Dioxide and traces of HCN.
Products

Section 11. Toxicological Information

Additional Information Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

Section 12. Ecological Information

Ecological Information No data available.

Section 13. Disposal

Disposal Dispose of completely cured (or polymerized) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material. Combustion products will include HCl. Facility must be capable of handling halogenated materials.

Since regulations vary, consult applicable regulations or authorities before disposal.

EPA Hazardous Waste Number (RCRA): Not Regulated.

Hazardous Waste Number D001: (Ignitable), D035 (Methyl ethyl ketone)

Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name N/A
DOT Classification N/A
Packing Group N/A
ID Number(s) 62-1300-00635-6
62-1300-02630-5
62-1300-02631-3
62-1300-02632-1
62-1300-05530-4
62-1300-06530-3
62-1300-07530-2
62-1300-08530-1

Please contact the emergency numbers listed on the first page of the SDS for Transportation Information for this material.

Section 15. Regulatory Information

SARA 311/312 Hazard Categories

Fire Hazard: Yes
Pressure Hazard: No
Reactivity Hazard: No
Immediate Hazard: Yes
Delayed Hazard: Yes

SARA 313 Toxic Chemicals

Toluene
CAS: 108-88-3
5-10 % by Wt.

a-Hexane
CAS: 110-54-3
5-15 % by Wt.

Cyclohexane
CAS: 110-82-7
0.1-2 % by Wt.

CHEMICAL INVENTORIES

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. The components of this product are in compliance with the chemical notification requirements of TSCA

Section 16. Other Information

Revision Date

8/6/2015

HMIS Rating (Not Regulated)

The HMIS Rating for this product is:
Health: 2 Flammability: 3 Reactivity: 0

0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

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