TECKREZ CX-902

SAFETY DATA SHEET

1. Identification

Product Identifier/Code	Teckrez CX-935, C9 Aromatic/DCPD Hydrocarbon Resin
Recommended use	Adhesives, Coatings, and other formulations
Recommended restrictions	None known
Manufacturer	Teckrez, Inc.
Company address	4209 Baymeadows Rd, Suite 3 Jacksonville, FL 32217 USA Office: 1-904-215-7885 Fax: 1-904-215-7797 Emergency: 1-904-881-2205

2. Hazards Identification

Physical hazards	Molten material will cause thermal burns.
Health hazards	Carcinogenic Category 2 (due to naphthalene impurity)
OSHA defined hazards	Combustible dust
Label elements	

Signal word	Warning
Hazard statement	May form combustible dust concentrations in air. Naphthalene impurity is suspected of causing cancer.
Precautionary statement	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear eye protection, face protection, protective clothing and protective gloves. If exposed or concerned, get medical advice/ attention.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazards not otherwise classified (HNOC)	Dust or particulates may cause mild respiratory tract and eye irritation. Repeated or prolonged contact may cause slight irritation to the skin. Vapors form when material is processed at high temperatures may be irritating to the eyes and upper respiratory tract.

3. Composition/Information on Ingredients

Chemical Name	CAS number	%
C9 Aromatic and DCPD Hydrocarbon Resin	64742-16-1	>99.9%
Naphthalene (impurity)	91-20-3	<.1%

4. First-aid Measures

Inhalation	Move exposed person to fresh air. Keep person warm and at rest. Get medical attention if symptoms persist.
Skin contact	Flush contaminated skin with soap and water. Remove contaminated clothing and shoes. Cool as quickly as possible if exposed to molten material. Do not attempt to remove adhered material from skin; material will come off as healing occurs. Get medical attention if symptoms occur.
Eye contact	Immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easy to do. Get medical attention if irritation occurs and persists.
Ingestion	Seek medical attention.
Most important symptoms/ effects, acute and delayed	Dust may irritate intestinal track. Long term health effects may result from repeated exposure.
Indication of immediate medical attention and special treatment needed	Burns should be treated as thermal burns; material will come off as healing occurs.

5. Fire-fighting Measures

Suitable extinguishing media	Water spray, dry chemical, carbon dioxide
Unsuitable extinguishing media	Avoid high pressure extinguisher application which could spread fire.
Specific hazards arising from the chemical	Powdered material may cause explosive dust-air combinations, particularly in presence of static electricity. Hazardous decomposition products in the case of a fire includes: $C0_2$, carbon monoxide, toxic fumes.
Specific protective equipment and precautions	Appropriate protective clothing and self- contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.
Specific methods	Use standard firefighting procedures and consider hazards of other materials.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use suitable protective equipment. Keep unnecessary personnel away from material.
Methods and materials for containment and cleaning up	Vacuum or carefully contain and collect material and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.
Environmental precautions	Keep from drains; prevent uncontrolled run-offs.

7. Handling and Storage

Precautions for safe handling	Wash thoroughly after handling. Prevent contact with molten material.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a cool, well-ventilated area. Keep away from ignition sources and static electricity. Employ good housekeeping practices to prevent build-up of dust and residue.

8. Exposure Controls/Personal

8.1 Occupational exposure limits

Aromatic Hydrocarbon Resin		
USA ACGIH	ACGIH (mh/m^3)	10 mg/m^3 (inhalable dust)
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA OSHA	OSHA PEL (TWA) (mg/m^3)	15 mg/m^3 (total dust) 5 mg/m^3 (respirable dust)
USA OSHA	Remark (US OSHA)	Particulates, not otherwise classified

Naphthalene (91-20-3)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	Remark STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m^3)	50 mg/m^3
USA OSHA	Remark PEL (TWA) (ppm)	10 pm

8.2 Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station. Consider explosion proof ventilation equipment.
Hand protection	Protective chemical resistant gloves
Eye protection	Safety glasses with side shields (or goggles)
Skin and body protection	Wear suitable protective clothing, including appropriate clothing for exposure to molten material.
Respiratory protection	Where exposure through inhalation may occur from use, respiratory protection equipment of approved standard is recommended. Wear appropriate respiratory protection, if occupational exposure limits are exceeded or irritation/sensitivity is experienced.

9. Physical and Chemical Properties

Appearance	
Physical state	Solid
Form	Solid
Color	Dark yellow
Odor	Strong hydrocarbon
pH	Not available
Melting point	130-140°C
Initial boiling point	>260°C (500°F)
Flash point	>260°C
Evaporation rate	Not determined
Auto ignition temperature	Not determined
Flammability (solid, gas)	Not determined
Decomposition temperature	Not established. Very low hazard expected at normal operating conditions.
Density	1.07 g/cm_3 (8.549 lb(s)/gal)
Solubility	Insoluble in water and alcohol. Good solubility in aliphatic and aromatic hydrocarbons.
Viscosity	15,000 cps @ 177°C
Vapor pressure	22.5 mm Hg (approx.)

10. Stability and Reactivity

Reactivity and chemical stability Non-reactive and stable under normal operating conditions. Decomposition can occur at elevated temperatures.

Possibility of hazardous reactions None known under normal operating conditions.

Conditions to avoid Open flame, static electricity, dusty conditions

Incompatible materials Strong oxidizing agents

Hazardous decomposition products Smoke, carbon dioxide, carbon monoxide

11. Toxicology Information

Acute toxicity Not classified

Naphthalene (91-20-3)	
LD50 oral rat	490 mg/kg
LD50 dermal rabbit	>20 g/kg
LC50 inhalation rat	> 340 mg/m^3
ATE (oral)	500

Skin corrosion/irritation Not classified
Based on available data, the classification criteria are not met.

Serious eye damage/irritation Not classified
Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Not classified
Based on available data, the classification criteria are not met.

Germ cell mutagenicity Not classified
Lack of data

Carcinogenicity Suspected of causing cancer.

Naphthalene (91-20-3)	
IARC group	2B-possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be human carcinogen

Reproductive toxicity Not classified
Lack of data

Specific target organ toxicity (repeated exposure) Not classified
Lack of data

Aspiration hazard Not classified
Not applicable

Potential adverse human health effects and symptoms Dust or particles may cause mild respiratory tract and eye irritation. Product may cause mild skin irritation.

Other information Likely routes of exposure: ingestion, inhalation, skin and eye.

12. Ecological Information

Toxicity

Ecology-general The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Naphthalene (91-20-3)	
LC50 fish 1	5.74-6.44 mg/l (Exposure time: 96 h- Species: Pimephales promelas {flow through])
EC50 Daphnia 1	2.16 mg/l (Exposure time: 48 h- Species: Daphnia magna)
EC50 other aquatic organisms 1	0.4 mg/l (Exposure time: 72 h-Species: Skeletonema costatum)
LC50 fish 2	1.6 mg/l (Exposure time: 96 h-Species: Oncorhynchus mykiss [(flow-through])
EC50 Daphnia 2	1.96 mg/l (Exposure time: 48 h- Species: Daphnia magna [(Flow-through])

Persistence and degradability No additional information available

Bioaccumulative potential

Naphthalene (91-20-3)	
BCF fish 1	30-430
Log Pow	3.3 (at 20°C)

Mobility in soil No additional information available

Other adverse effects No additional information available

13. Disposal Considerations

Disposal instructions Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport Information

DOT Not regulated

IATA Not regulated

IMDG Not applicable

15. Regulatory Information

15.1. US Federal regulations

TSCA

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

SARA 313

This product contains chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:

Naphthalene	CAS No: 91-20-3	Concentration: <0.5%

SARA Section 311/312 Hazard Classes Chronic health hazard
Combustible Dust

Export Control Classification Number (ECCN) EAR99 (No License Required)

15.2. International regulations

CANADA DSL Yes

National inventories

Aromatic Hydrocarbon Resin

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Listed on the China Inventory of Existing Chemical Substances (IECSC)
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS)

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity, not limited to any that may be listed below.

Naphthalene (91-20-3)	
U.S.- California- Proposition 65- Carcinogens List	Yes
No Significance Risk Level (NSRL)	5.8 mg/day

16. Other Information, including date of preparation or last revision

NFPA health hazard 2
NFPA fire hazard 1
NFPA reactivity 0

HMIS III Rating
Health 1
Flammability 1
Physical hazard 0
Personal protection See section 8 of SDS

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