TECKREZ C900P

SAFETY DATA SHEET

1. Identification

Product Identifier/Code	Teckrez C900P, Aromatic Hydrocarbon Resin
Recommended use	Adhesives, Sealants, Coatings, Wax, and other formulations
Recommended restrictions	None known
Manufacturer	Teckrez, Inc.
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2. Hazards Identification

Physical hazards	Not classified; molten material will cause thermal burns.
Health hazards	Carcinogenic Category 2 (due to Naphthalene impurity)
OSHA defined hazards	Combustible dust
	
Label elements	
Hazard Symbol	Warning
Signal word	None
Hazard statement	May form combustible dust concentrations in air. Naphthalene is suspected of causing cancer.
Precautionary statement	Practice good industrial hygiene. Store in protective environment, away from incompatible materials and elevated temperature equipment. Wash hands and other exposed areas after handling. Waste disposal in accordance with local requirements.
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 exposure may cause irritation to the skin. Vapors formed at high temperature processing may irritate the eyes and upper respiratory system.

3. Composition/Information on Ingredients

Chemical Name	CAS number	%
Aromatic Hydrocarbon Resin	64742-16-1	>99.8%
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.

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, smoke.

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. Avoid disposal into sewage or drainage systems.

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

USA ACGIH	ACGIH (mg/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 Yellow

Odor Slight Hydrocarbon

pH Not available

Melting point 96-104°C

Initial boiling point >260°C (500°F)

Flash point > 260°C

Evaporation rate Not determined; considered negligible

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. Good solubility in aliphatic and aromatic hydrocarbons. Minimal solubility in alcohols.

Viscosity	5,000 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. Strong Acids.
Hazardous decomposition products	Smoke, carbon dioxide, carbon monoxide

11. Toxicology Information

Information on likely routes of exposure

Inhalation	Dust and vapor. Fumes may irritate respiratory system.
Skin Contact	Molten material causes thermal burns.
Eye Contact	Direct contact with eyes may cause temporary irritation

Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

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	No data available
Serious eye damage/irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product contains trace quantities of Naphthalene which is considered to be a carcinogen.

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

OSHA Specifically Regulated Substances (29 CFR 1910. 1001-1050)	Not listed.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity-single exposure	Not classified
Specific target organ toxicity-repeated exposure	Not classified
Aspiration hazard	Not available

12. Ecological Information

Ecological impact statement This product is not classified as environmentally hazardous. This does not exclude the possibility that large or frequent spills could be environmentally damaging. This product is not readily biodegradable.

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])

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

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 as dangerous goods
IATA Not regulated as dangerous goods
IMDG Not regulated as dangerous goods

15. Regulatory Information

15.1. US Federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA inventory list. This product contains trace quantities (<100 ppm) of naphthalene which is subject to reporting requirements of Section 313 of Title III of SARA 1986 and 40 CFR 372

TSCA Section 12(b) Export All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Superfund Amendments and Reauthorization Act 1986 (SARA)

SARA 311/312 Hazardous Chemical Chronic health hazard

Fire hazard

SARA 313 TRI Reporting

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

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

15.2 International Regulation

Canada DSL	Yes

15.3 US State regulations

California Controlled Substances, Dept. of Justice (CA Health and Safety Code Section 11100)	Not listed
California Proposition 65	Trace quantities of naphthalene (<100 ppm) which is considered by the State of California to cause cancer and/or reproductive toxicity.
Massachusetts RTK-Substance List	Not regulated
New Jersey Worker and Community RTK Act	Not listed
Pennsylvania Worker and Community RTK Law	Not listed
Rhode Island RTK	Not listed

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	2
Flammability	1
Physical hazard	0
Personal protection	See section 8 of SDS
Version	3.0
Date of issue	January 10, 2022

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