



Material Safety Data Sheet - MSDS

Resin for Cable Ties

Section 1. Chemical Product and Company Identification

Common Name : Resin for Cable Ties **Code** : DT Series
Synonym : Not available. **Validation Date** : 2004-10-24.
Trade name : DT Series Resin cable Ties. **In Case of Emergency** : (714) 739-1408
Manufactured for : L.H. Dottie Company
6131 S. Garfield Avenue
Commerce, California 90040
Tel: (323) 725-1000

Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Carbon Black	1333-86-4	0.5-1	ACGIH TLV (United States, 2003). : TWA: 3,5 mg/m ³ 8 hour(s). Form: All forms NIOSH REL (United States, 2001). : TWA: 3,5 mg/m ³ 10 hour(s). Form: All forms TWA: 0,1 MGPHM3 10 hour(s). Form: All forms OSHA PEL (United States, 1993). TWA: 3,5 mg/m ³ 8 hour(s). Form: All forms

This material is classified as not hazardous under OSHA regulations.

See Section 8 for Exposure Limits.
See Section 11 for Toxicological Data.

Section 3. Hazards Identification

Physical State and Appearance : Solid. (Granular solid.)

Emergency Overview : WARNING!
POSSIBLE CANCER HAZARD
CONTAINS MATERIAL WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA.
Risk of cancer depends on duration and level of exposure.

Routes of Entry : Inhalation. Ingestion.

Potential Acute Health Effects
Eyes : Slightly hazardous in case of eye contact (irritant).
Skin : Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin.
Inhalation : Not available.
Ingestion : Not available.

Potential Chronic Health Effects : **CARCINOGENIC EFFECTS:** Classified + (Proven.) by NIOSH [Carbon Black]. Classified 2B (Possible for human.) by IARC [Carbon Black]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Carbon Black].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: : Repeated or prolonged exposure is not known to aggravate medical condition.

Over-exposure signs/symptoms : Not available.

See Section 11 for Toxicological Data.

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Section 4. First Aid Measures

- Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Notes to Physician** : No specific antidote. Medical staff must contact Poison Information Center.

Section 5. Fire Fighting Measures

- Flammability of the Product** : Non-flammable.
- Auto-ignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable Limits** : Not applicable.
- Products of Combustion** : Not applicable.
- Fire Hazards in Presence of Various Substances** : May be combustible at high temperature.
- Explosion Hazards in Presence of Various Substances** : Risks of explosion of the product in presence of mechanical impact: Not applicable.
Risks of explosion of the product in presence of static discharge: Not applicable.
- Fire Fighting Media and Instructions** : Not applicable.
- Protective Clothing (Fire)** : Not applicable.
- Special Remarks on Fire Hazards** : Not available.

Section 6. Accidental Release Measures

- Small Spill and Leak** : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Large Spill and Leak** : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

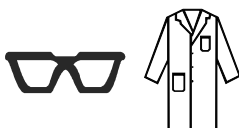
Section 7. Handling and Storage

- Handling** : After handling, always wash hands thoroughly with soap and water.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

- Engineering Controls** : No special ventilation requirements.
- Personal Protection**
- Eyes** : Safety glasses.
 - Body** : Lab coat.
 - Respiratory** : Wear appropriate respirator when ventilation is inadequate.
 - Hands** : Not applicable.
 - Feet** : Not applicable.

Protective Clothing (Pictograms) :



Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Dust respirator. Boots. Gloves.

Exposure Limits

Product Name

Exposure Limits

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Carbon Black

ACGIH TLV (United States, 2003). :TWA: 3,5 mg/m³ 8 hour(s). Form: All forms**NIOSH REL (United States, 2001).** :TWA: 3,5 mg/m³ 10 hour(s). Form: All forms

TWA: 0,1 MGPHM3 10 hour(s). Form: All forms

OSHA PEL (United States, 1993).TWA: 3,5 mg/m³ 8 hour(s). Form: All forms[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and Chemical Properties

Physical State and Appearance	: Solid. (Granular solid.)
Color	: Not available.
Odor	: Odorless.
Molecular Weight	: Not applicable.
Molecular Formula	: Not applicable.
pH (1% Soln/Water)	: Not applicable.
Boiling/Condensation Point	: Not available.
Melting/Freezing Point	: 250 to 260°C (482 to 500°F)
Specific Gravity	: 1.22 to 1.38 (Water = 1)
Vapor Pressure	: Not available.
Vapor Density	: Not available.
Volatility	: <5% (v/v).
Odor Threshold	: Not available.
Evaporation Rate	: Not available.
VOC	: 5 (%)
Viscosity	: Not available.
LogK_{ow}	: Not available.
Solubility	: Insoluble in cold water, hot water.

Section 10. Stability and Reactivity

Stability and Reactivity	: The product is stable.
Conditions of Instability	: > 340°C (644°F).
Incompatibility with Various Substances	: Reactive with oxidizing agents.
Hazardous Decomposition Products	: Not available.
Hazardous Polymerization	: Will not occur.

Section 11. Toxicological Information

Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Resin for Cable Ties	LD50	>10000 mg/kg	Oral	Rat
Carbon Black	LD50	>15400 mg/kg	Oral	Rat

Chronic Effects on Humans : **CARCINOGENIC EFFECTS:** Classified + (Proven.) by NIOSH [Carbon Black]. Classified 2B (Possible for human.) by IARC [Carbon Black]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Carbon Black].

Other Toxic Effects on Humans : Non-irritant for skin. Non-sensitizer for skin. Non-irritating to the eyes.

Special Remarks on Toxicity to Animals : Not available.

Special Remarks on Chronic Effects on Humans : Not available.

Special Remarks on Other Toxic Effects on Humans : Not available.

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Section 12. Ecological Information

- BOD and COD** : Not available.
- Biodegradable/OECD** : Not available.
- Mobility** : Not available.
- Products of Degradation** : These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂).
- Toxicity of the Products of Biodegradation** : The product itself and its products of degradation are not toxic.
- Special Remarks on the Products of Biodegradation** : Not available.

Section 13. Disposal Considerations

- Waste Information** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

[Consult your local or regional authorities.](#)

Section 14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
United States (DOT)	Not regulated.	-	-	-		-
IMDG Code	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

- NAERG** : Not applicable.

Section 15. Regulatory Information

- HCS Classification** : Not an HCS controlled material in USA.
- U.S. Federal Regulations** : TSCA 8(b) inventory: All components listed.
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: Carbon Black
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Carbon Black: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean air act (CAA) 112 accidental release prevention: No products were found.
 Clean air act (CAA) 112 regulated flammable substances: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

- Form R - Reporting Requirements** : No products were found.

- Supplier Notification** : No products were found.

- State Regulations** : Pennsylvania RTK: Carbon Black: (generic environmental hazard)
 Massachusetts RTK: Carbon Black
 New Jersey: Carbon Black
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Carbon Black

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Section 16. Other Information

Label Requirements : POSSIBLE CANCER HAZARD
CONTAINS MATERIAL WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA.

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		1
Reactivity		0
Personal Protection		C

National Fire Protection Association (U.S.A.)



References : - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. ANSI Z400.1, MSDS Standard, 2001. -Manufacturer's Material Safety Data Sheet.

Responsible Name : Kemika XXI Inc. +1-450-435-7475
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Notice to Reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.