



# Material Safety Data Sheet - MSDS

## UV Black Nylon Cable Ties

### Section 1. Manufacturer Identification

**Manufacturer's Name & Address:**

L.H. Dottie  
6131 S. Garfield Ave.  
Commerce, CA 90040

**Emergency Telephone Number:**

1-800-255-3924

**Date Revised: December 2011**

### Section 2. Composition Information on Ingredients

**Composition**

<u>Substance</u>	<u>CAS No.</u>	<u>EC No.</u>	<u>EC Classification</u>	<u>% w/w</u>
adipic acid - hexamethylenediamine resin (nylon 6/6)	32131-17-2			>=45,0 - <=90,0 %
polycaprolactam (nylon 6)	25038-54-4			>=0,0 - <=30,0 %
poly(hexamethylene adipamide-co-caprolactam) (nylon 6,6/6)	24993-04-2			>=0,0 - <=25,0 %
carbon black	1333-86-4	215-609-9		>=0,0 - <=5,0 %

Components listed with a lower limit of 0% may or may not be present in the final formulation.  
See Section 16 for full text of R-phrases

### Section 3. Hazard Identification

**Classification of the substance/preparation**

EU Dangerous Preparations Directive 1999/45/EC.  
Not classified as dangerous  
Index Number (Annex I):

### Section 4. First Aid Measures

### **Human health effects**

On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

### **Environmental effects**

On the basis of available information, this material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

#### **Eye contact**

Immediate first aid is not likely to be required.  
This material can be removed with water.

#### **Skin contact**

Immediate first aid is not likely to be required.  
This material can be removed with water.  
Wash heavily contaminated clothing before reuse.  
If splashed by molten material, cool quickly with water and seek medical aid : do not pull off from skin.

#### **Inhalation**

Immediate first aid is not likely to be required.  
If symptoms occur, remove to fresh air.  
Remove material from eyes, skin and clothing.

#### **Ingestion**

Immediate first aid is not likely to be required.  
A physician or Poison Control Center can be contacted for advice.  
Wash heavily contaminated clothing before reuse.

## **Section 5. Fire Fighting Measures**

### **Extinguishing media**

Water spray, foam, dry chemical, or carbon dioxide

### **Exposure hazards**

None known

Combustion products:  
carbon monoxide (CO), carbon dioxide, ammonia (NH<sub>3</sub>), hydrogen cyanide (HCN), nitrogen oxides (NO<sub>x</sub>)

### **Protective equipment**

Firefighters, and others exposed, wear self-contained breathing apparatus.  
Equipment should be thoroughly decontaminated after use.

## **Section 6. Accidental Release Measures**

### **Personal precautions**

Use personal protection recommended in section 8.  
Product may cause a slip hazard.

### **Environmental precautions**

Keep out of drains and water courses.  
Pellets may present a physical ingestion hazard to wildlife due to resemblance to grains. Clean up spills immediately.

### **Methods for cleaning up**

In case of spill, sweep, scoop or vacuum and remove.  
Flush spill area with water.

## Section 7. Handling and Storage

### **Handling**

Handle in accordance with good industrial hygiene and safety practices.  
These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

### **Engineering measures**

Provide natural or mechanical ventilation to minimize exposure.  
If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

### **Storage**

Stable under normal conditions of handling and storage.

## Section 8. Control Exposure / Personal Protection

### **Occupational exposure limit**

National authorities have established limits for particulates not otherwise classified that are the least stringent exposure limits applicable to dusts.  
ACGIH TLV: 10mg/m<sup>3</sup> (total dust) 8-hr TWA  
ACGIH TLV: 3mg/m<sup>3</sup> (respirable) 8-hr TWA

### **Respiratory protection**

Avoid breathing dust.  
Use approved respiratory protection equipment when airborne exposure limits are exceeded.  
Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.  
Observe respirator use limitations specified by the manufacturer.

### **Hand protection**

This product does not present significant skin concern requiring special protection.

### **Eye protection**

Does not cause significant eye irritation or eye toxicity requiring special protection.  
Use good industrial practice to avoid eye contact.

## Section 9. Physical and Chemical Properties

### General information

**Form:** pellets  
**Colour:** black  
**Odour:** odourless

### Important health, safety and environmental information

**Flash point:** >371 C Estimated

**Dust explosion properties:** If this material is milled or the process generates fines, the fines could form an explosive mixture if dispersed in a sufficient quantity of air.

**Density:** 1,13 - 1,15 g/cm<sup>3</sup>

### Other information

**Melting point :** 257 - 267 C

## Section 10. Stability and Reactivity

### Conditions to avoid

None known

### Materials to avoid

None known  
Hazardous polymerization does not occur.

### Hazardous decomposition products

**Conditions:** Decomposition occurs above temperature listed below :

**Decomposition temperature:** > 300 C  
**Decomposition products:** carbon monoxide (CO), carbon dioxide, ammonia (NH<sub>3</sub>), hydrogen cyanide (HCN), nitrogen oxides (NO<sub>x</sub>)

## Section 11. Toxicology Information

Solutia has not conducted toxicity studies on this material and no toxicological information was obtained in a reasonably extensive search of the available scientific literature. Results of single exposure (acute) toxicity studies conducted on similar materials indicate that these products are practically nontoxic orally (rats) and after skin application (rabbits). These products are practically non irritating to rabbit skin and are practically non irritating to slightly irritating to rabbit eyes. No adverse effects noted following repeated oral administration.

## Section 12. Ecological Information

Solutia has not conducted environmental toxicity or biodegradation studies with this material.

## Section 13. Waste Disposal Considerations

### **Disposal considerations**

Incineration, Recycle  
All local and national regulations should be followed.

## Section 14. Transport Information

### **ROAD/RAIL**

**Other** Not regulated for transport.

### **SEA**

Not regulated for transport.

### **AIR**

Not regulated for transport.

## Section 15. Regulatory Information

### **EC label**

EU Dangerous Preparations Directive 1999/45/EC.

None.

### **Contains:**

### **Other regulation**

Germany - WGK (Wassergefährdungsklasse) : not classified