



Material Safety Data Sheet - MSDS

Natural Nylon Cable Ties

(DT4, DT5, DT6, DT11, DT14, DT14H, DT21H, DT36H, DTM6, DTM14, DT75S, DT100S)

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			>=98,0 - <=100,0 %

See Section 16 for full text of R-phrases

Section 3. Hazard Identification

Classification of the substance/preparation

EU Dangerous Substances Directive 67/548/EC.

* Not classified as dangerous

Index Number (Annex I):

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.

Section 4. First Aid Measures

General

Grossly contaminated clothing:
Remove contaminated clothing immediately.

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 (NH₃), hydrogen cyanide (HCN), nitrogen oxides (NO_x)

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/m³ (total dust) 8-hr TWA
ACGIH TLV: 3mg/m³ (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: cream - tan
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/cm³

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 (NH₃), hydrogen cyanide (HCN), nitrogen oxides (NO_x)

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

Other regulation

This product is compliant with EU Directives 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), 2002/96/EC on the restriction of certain hazardous substances in waste electrical and electronic equipment (WEEE), and 2003/11/EC restricting the use of PBB and PBDE fire retardants. Heavy metal and halogen analysis using inductively coupled plasma - mass spectrometry techniques: Cadmium: <0.001% Chromium: <0.001% Lead: <0.001% Mercury: <0.001% Bromine: <0.001%
Germany - WGK (Wassergefährdungsklasse) : not classified