

Nylon Cable Ties: Vydyne Nylon 6,6 Plus Additives (Class 100) 10V, 20M, 20NSP, 21, 21M, 21SPC, 21Z, 22H, 22HSP, 22X, 24NSL, 2800, 50BW, 64C, 800, 805, 810, 820, 830, 870, 65A, 66B, 24NSPF, CG Nylon, 66J, 66R, 2330M



HMIS

HEALTH	1
FIRE	0
REACTIVITY	0
PPE	A

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Vydyne Nylon 6,6 Plus Additives (Class 100) 10V, 20M, 20NSP, 21, 21M, 21SPC, 21Z, 22H, 22HSP, 22X, 24NSL, 2800, 50BW, 64C, 800, 805, 810, 820, 830, 870, 65A, 66B, 24NSPF, CG Nylon, 66J, 66R, 2330M

Distributor Name: Uline, Inc.

Distributor Address:

2200 S. Lakeside Drive
Waukegan, IL 60085

Emergency telephone: Chemtrec: 1-800-424-9300
Non-Emergency telephone: 1-800-295-5510

Manufacturer MSDS Revision Date: 01/14/2003

Version: 4.4/E

General Use:

Plastic resins

Reference Number: 000000005417

NFPA

Health: 1

Flammability: 0

Reactivity: 0

Other:

HMIS

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: A

Product Codes:

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Percent	
Adipic acid - hexamethylenediamine resin (nylon 6/6)	32131-17-2	Concentration range: > = 98.0 - < = 100.0%	

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview:

WARNING STATEMENTS: No significant hazards associated with this material

Physical State:

Form: Pellets

Color: Cream to tan

Odor: Odourless

Adipic acid - hexamethylenediamine resin (nylon 6/6):

Route of Exposure:

Eye and skin contact

Inhalation

Potential Health Effects:

Eye Contact:

No more than slightly irritating to eyes.

Dust may cause eye irritation as would any foreign material.

Skin Contact:

No more than slightly irritating to skin.

No more than slightly toxic if absorbed.

Inhalation:

No more than slightly toxic if inhaled.

Elevated processing temperatures may cause release of vapours which are irritating if inhaled.

Ingestion:

No more than slightly toxic if swallowed.
Significant adverse health effects are not expected to develop if only small amounts (less than a mouthful) are swallowed.

Refer to Section 11 for toxicological information.

SECTION 4 : FIRST AID MEASURES

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.

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:

If swallowed: 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

Flash Point:

> 371 deg C

Flash Point Method:

Estimated

Extinguishing Media:

Water spray, foam, dry chemical, or carbon dioxide

Hazardous Combustion Byproducts:

Carbon monoxide (CO); carbon dioxide; ammonia (NH₃); hydrogen cyanide (HCN); nitrogen oxides (NO_x)

Fire Fighting Equipment:

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

Unusual Fire Hazards:

None known

Miscellaneous advice:

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.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:

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

Spill Cleanup Measures:

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

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.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

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.

General: Stable under normal conditions of handling.

Storage:

General: Stable under normal conditions of storage.

Emptied containers retain vapour and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non industrial purposes is prohibited and any reuse must be in consideration of the data provided in this material safety data sheet.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

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

Hand Protection Description:

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

Eye/Face Protection:

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

Protective Clothing/Body Protection:

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice.

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.

Exposure Limits:

Airborne exposure limits: (ml/m³=ppm)

VYDYNE (R) Nylon 6,6 Plus Additives (Class 100):
OSHA and/or ACGIH have not established specific exposure limits for this material. However, they have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) respectively, which are the least stringent exposure limits applicable to dusts.
OSHA PEL: 15mg/m³ (total dust) 8-hr TWA
OSHA PEL: 5mg/m³ (respirable) 8-hr TWA
ACGIH TLV: 10mg/m³ (total dust) 8-hr TWA
ACGIH TLV: 3mg/m³ (respirable) 8-hr TWA

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

Form: Pellets

Color:

Cream to tan

Odor:

Odourless

Melting Point:

257 - 267 deg C

Density:

1.13 - 1.15 g/cm³

Flashpoint:

> 371 deg C

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SECTION 10 : STABILITY AND REACTIVITY

Conditions to Avoid:

None known

Incompatibilities with Other Materials:

Materials to avoid: None known

Hazardous Polymerization:

Hazardous polymerization does not occur.

Hazardous Decomposition Products:

Decomposition occurs above temperature listed below:

Decomposition temperature: > 300 deg C

Carbon monoxide (CO); carbon dioxide; ammonia (NH₃); hydrogen cyanide (HCN); nitrogen oxides (NO_x)

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Paragraph:

Maker 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

Ecological Paragraph:

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

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:

Disposal considerations:

Incineration

Recycle

Landfill

Miscellaneous advice:

Local, state, provincial, and national disposal regulations may be more or less stringent.

Consult your attorney or appropriate regulatory officials for information on such disposal.

This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

RCRA Hazard Class:

US EPA RCRA Status: This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261.

SECTION 14 : TRANSPORT INFORMATION

Transportation Information:

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

DOT Shipping Information:

Other: Not regulated for transport.

Canadian TDG: Other: Not regulated for transport.

SECTION 15 : REGULATORY INFORMATION

Adipic acid - hexamethylenediamine resin (nylon 6/6):

TSCA 8(b): Inventory Status

All components are in compliance with the U.S. TSCA inventories.

Section 304 CERCLA RQ: Not applicable

Section 312 Hazard Category:

Hazard Categories Under Title III Rules (40 CFR 370): Not applicable

Canada WHMIS:

All components are in compliance with the Canadian DSL inventories.

Canadian WHMIS classification: Not Controlled

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contains all the information required by the Canadian Controlled Products Regulation.

Japan Chemical Inventory Status:

All components are in compliance with the Japanese ENCS inventories.

Australia Chemical Inventory Status:

All components are in compliance with the Australian AICS inventories.

International Chemical Inventory Lists:

All components are in compliance with the following inventories:
Korean, Phillipine PICCS, Chinese

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

Safety data sheet also created in accordance with Brazilian law NBR 14725

SECTION 16 : ADDITIONAL INFORMATION

HMIS:

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: A

NFPA:

Fire Hazard: 0

Health: 1

Reactivity: 0

MSDS Revision Date:

01/14/2003
Version: 4.4/E

Reason for revision:
Significant changes to the following section(s):, Section 1

MSDS Author:

Prepared by the Solutia Hazard Communication Group.

Disclaimer:

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TM, (R) is a registered trademark of Solutia Inc.
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Product use: Plastic resins

Other Information:

This product may contain other copolymers, colour additives, heat stabilizers, flame retardants and/or other performance additives. Under normal use conditions, these additives are contained within the polymer matrix and occupational exposures are expected to be minimal.