

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Identification

Product name: VYDYNE® Nylon 6,6 Plus Additives (Class 105)
20NSP Black, 21SPF Black, 22H Black, 22HSP Black, 25W, 25WSP,
25WSPF, 24NSPF08, 21SP Black, 21SP01, 21X03, 22H01, 22H03, 25I Black

Reference Number 000000005605 Date 15.01.2003

Type of product Preparation

Use of the substance or preparation

Plastic resins

Company/Undertaking Identification

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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

3. HAZARDS IDENTIFICATION

Classification of the substance/preparation

EU Dangerous Preparations Directive 1999/45/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.

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.
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.

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.

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.

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.

8. EXPOSURE CONTROLS/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.

Skin protection

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

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/cm³

Other information

Melting point : 257 - 267 C

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)

11. TOXICOLOGICAL 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.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal considerations

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

14. TRANSPORT INFORMATION

ROAD/RAIL

Other Not regulated for transport.

SEA

Not regulated for transport.

AIR

Not regulated for transport.

15. REGULATORY INFORMATION

EC label

EU Dangerous Preparations Directive 1999/45/EC.

None.

Contains:

Other regulation

Germany - WGK (Wassergefährdungsklasse) : not classified

16. OTHER INFORMATION

Prepared by the Solutia Hazard Communication Group.

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.

Reason for revision: Error correction., Section 2

R-phrases

Number format: "," used as decimal separator.

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