

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Name of the substance UNREINFORCED NYLON 66 RESIN

Identification number -

Registration number -

Synonyms HV80A NC01 * HV125A NC01 * HV125AHSL NC01 * HV240A NC01 * HV240AHSL NC01 * HV300A NC01 * HV360A NC01 * HV360AHSL NC01 * U2501 NC01 * U2503 NC01 * U2500 NC01 * U3501 NC01 * U3600 NC01 * U3602 NC01 * U3671 NC01 * U4200 NC01 * U4201 NC01 * U4260FL NC01 * U4500 NC01 * U4501 NC01 * U4503 NC01 * U4591 NC01 * U4630HSL BKB01 * U4630HSL NC01 * U4664FL BKB01 * U4664FL NC01 * U4800 NC01 * U4801 NC01 * U4803 NC01 * U4820L BKB01 * U4820L NC01 * U4840NL NC01 * U5000 NC01 * U5101 NC01

SDS number 991

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Not available.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name INVISTA Textiles (U.K.) Ltd

Address Wilton Centre
Redcar
TS10 4RF

EU27

Company name INV Nylon Chemicals Netherlands B.V.

Address Parmentierweg 4, Eindhoven, the Netherlands, 5657 EH

General Information +44-1452-633-000

Email SDS@INVISTA.COM

1.4. Emergency Telephone Number 0808-234-011 (24h UK Toll-free); +44-808-234-011 (24h International)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 as amended

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Nylon 66 Polymer Pellets

Hazard pictograms None.

Signal word None.

Hazard statements The substance does not meet the criteria for classification.

Precautionary statements

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

Supplemental label information None.

2.3. Other hazards Dust may form explosive mixture in air.

SECTION 3: Composition/information on ingredients**3.1. Substances**

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Nylon 66 Polymer Pellets	>97%	32131-17-2 NOT ASSIGNED	-	-	
Classification: -					

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the medical provider in attendance.

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If the affected person is not breathing, apply artificial respiration. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim inhaled the substance. Get medical attention, if needed.
Skin contact	Immediately flush skin with plenty of water. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. Get medical attention if irritation develops or persists. In case of contact with molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove solidified polymer from skin. The molten product can cause serious burns.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions. If the affected person is not breathing, apply artificial respiration. Do not use mouth-to-mouth method if victim ingested the substance. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Contact with molten material may cause thermal burns.

Eyes: Particles and dusts may be mechanically irritating when in contact with eyes. Symptoms include itching, burning, redness and tearing.

Skin: Particles/dust may cause mechanical irritation when in contact with the skin and can cause skin irritation with redness. Symptoms may include redness, drying of skin, itching and pain.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation: Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Irritating and toxic gases or fumes may be released during a fire.

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, CO ₂ , water spray or regular foam. Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

During fire, gases hazardous to health may be formed. Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons. Traces of hydrogen cyanide may be found in fire conditions.

5.3. Advice for firefighters

Special protective equipment for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Structural firefighters protective clothing will only provide limited protection.
Special fire fighting procedures	In the event of fire, cool tanks with water spray. In the event of fire and/or explosion do not breathe fumes. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

Specific methods Collect contaminated fire extinguishing water separately. This must not be discharged into drains. ALWAYS stay away from tanks engulfed in flame.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Do not touch or walk through spilled material. Wear appropriate personal protective equipment.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Molten material can cause burns. Handle molten material with care.

6.2. Environmental precautions Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Large Spills: Vacuum or sweep up material and place in a disposal container.

Small Spills: Sweep up or gather material and place in appropriate container. Clean contaminated surface thoroughly.

Never return spills in original containers for re-use.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Minimise dust generation and accumulation. Industrial handling of polymer pellets or chips has the potential to generate dust. Polymer dust can accumulate over time on buildings and equipment. After a significant amount of dust accumulation and disturbance, dust may form explosive mixture in air. Ensure that good housekeeping practices are followed. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Combustible dust clouds may be created where operations produce fine material (dust).

Wash hands after handling and before eating. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Take measures to prevent the build up of electrostatic charge. Molten material can cause burns. Handle molten material with care. When handling hot material, use heat resistant gloves.

7.2. Conditions for safe storage, including any incompatibilities Keep away from heat, sparks, and flame. Keep this material away from food, drink and animal feed. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep tightly closed in a dry, cool and well-ventilated place. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Polymer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls	<p>It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.</p> <p>Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).</p> <p>Use only appropriately classified electrical equipment and powered industrial trucks. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels. Keep formation of airborne dusts to a minimum. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.</p>
Individual protection measures, such as personal protective equipment	
General information	Wear suitable protective equipment.
Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves. Avoid contact with skin. Request information on glove permeation properties from the glove supplier. For molten material use heat resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate respiratory protection must be provided. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Thermal hazards	For molten product, use any type rubber thermal insulating gloves and other clothing as necessary to protect from thermal burns. If handling molten material, additional protection may be needed, which may include face shield. Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices. Keep away from food and drink.
Environmental exposure controls	Should not be released into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Form	Solid.
Colour	Based on specification.
Odour	Slight to none.
Melting point/freezing point	235 - 265 °C (455 - 509 °F)
Boiling point or initial boiling point and boiling range	Not determined
Flammability (solid, gas)	Not available.
Flash point	420 °C (788 °F) ASTM D1929
Auto-ignition temperature	455 °C (851 °F) ASTM D1929
Decomposition temperature	50% at 420°C; 96% at 900°C
pH	Not applicable
Solubility(ies)	
Solubility (water)	0 %
Partition coefficient (n-octanol/water)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density (liquid)	Not available.
Particle characteristics	Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes	No relevant additional information available.
9.2.2. Other safety characteristics	None known.
Chemical family	Polyamide

Evaporation rate	Not applicable
Specific gravity	>1

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Minimise dust generation and accumulation. Avoid heat, sparks, open flames and other ignition sources.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Hydrogen cyanide (hydrocyanic acid). Nitrogen oxides (NOx). Carbon oxides. Ammonia gas may be liberated at high temperatures.

SECTION 11: Toxicological information

General information	Information given is based on data on the components and the toxicology of similar products.
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Information on likely routes of exposure

Inhalation	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Skin contact	Particles/dust may cause mechanical irritation when in contact with the skin and can cause skin irritation with redness. Symptoms may include redness, drying of skin, itching and pain.
Eye contact	Particles and dusts may be mechanically irritating when in contact with eyes. Symptoms include itching, burning, redness and tearing.
Ingestion	Ingestion of this product may cause nausea, vomiting and diarrhoea.

Symptoms	See information on likely routes of exposure.
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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Information given is based on data on the components and the toxicology of similar products. Due to this material's high molecular weight, this material is considered to be of little to no toxicological concern.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	No data available.

11.2. Information on other hazards

Endocrine disrupting properties	Not available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity	Information given is based on data on the components and the ecotoxicology of similar products. This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
12.2. Persistence and degradability	No data is available on the degradability of this product.
12.3. Bioaccumulative potential	No data available.

Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Endocrine disrupting properties	Not available.
12.7. Other adverse effects	No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents/container (in accordance with related regulations).
EU waste code	Dispose of contents/container (in accordance with related regulations).
Disposal methods/information	Dispose of contents/container (in accordance with related regulations).

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Not listed.

Directive 94/33/EC on the protection of young people at work, as amended

Not listed.

Other regulations The product does not need to be labelled in accordance with EC directives or respective national laws.

National regulations Not available.

Germany

Water Hazard Class Not established

15.2. Chemical safety assessment Not available.

SECTION 16: Other information

List of abbreviations

IARC = International Agency for Research on Cancer.

NTP = National Toxicology Program.

CAS = Chemical Abstract Service

TWA = Time Weighted Average

SDS = Safety Data Sheet

TLV = Threshold Limit Value.

References

Internal assessments, testing and research.
Thompson Micromedex, Database, 2006. Hazardous Substance Data Bank, Database, 2006.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

None.

Revision information

Product and Company Identification: Synonyms

Training information

Not available.

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