

## Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 11.11.2016

Date of compilation / revision: 11.11.2016

Version/revision number: 6

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** UBE Nylon 5034FDX17
- **1.2 Relevant identified uses of the substance or mixture**  
 Uses advised against: MEDICAL APPLICATIONS such as any implantation in the human body or any contact with internal body fluids/tissues are PROHIBITED, since compliance with medical regulations is not assured.
- **Sector of Use**  
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture**  
 Extrusion  
 Film, injection moulding
- **1.3 Details of the supplier of the safety data sheet**  
 UBE Corporation Europe, S.A.U  
 Polígono El Serrallo s/n  
 12100 Grao de Castellón (Spain)  
 Tel: +34 964 73 80 00  
 sds.ube.eu@ube.es  
  
 Commercial office:  
 UBE Corporation Europe, S.A.U  
 Address: Immermannstrasse 65B D-40210  
 Dusseldorf. Germany  
 TEL: +49 211 178 83 28
- **1.4 Emergency telephone number:** +44 (0)1235 239670 (24h/7day)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
 The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** None
- **Hazard pictograms** None
- **Signal word** None
- **Hazard statements** None
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.
- **Dangerous components:** None

- **Non dangerous components**

|            |                |      |
|------------|----------------|------|
| 24993-04-2 | Polyamide 6/66 | >83% |
|            | Modifier       | <15% |

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|  |        |
|--|--------|
|  | Others |
|--|--------|

|  |     |
|--|-----|
|  | <2% |
|--|-----|

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Seek medical treatment.

· **After inhalation:**

If exposed to vapors from heating and molding material , remove to fresh air .

If symptoms, coughing and discomfort in nose and throat remain, get medical attention.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If redness, itching or burning sensation develops, get medical attention.

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product off the skin.

Seek medical treatment.

· **After eye contact:**

Immediately flush exposed area with copious amounts of tepid water for at least 15 minutes

If redness, itching or burning sensation develops, do not rub eyes and immediately get medical attention.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

At molten state, expected to cause burns to skin.

Irreversible dermatitis will occur if you do not wash affected skin immediately and thoroughly.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Water

Fire-extinguishing powder

Carbon dioxide

Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** Not known

· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon Dioxide (CO<sub>2</sub>)

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen cyanide (HCN)

Ammonia (NH<sub>3</sub>)

· **5.3 Advice for firefighters**

· **Protective equipment:**

Firefighters should wear appropriate protective equipment

Wear self-contained respiratory protective device.

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**· Additional information**

Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

**· 6.1 Personal precautions, protective equipment and emergency procedures**

Stop leak if you can do so without risk  
Remove combustible materials  
Ensure adequate ventilation  
Use personal protective equipment as indicated in paragraph 8

**· 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**
**· 6.3 Methods and material for containment and cleaning up:**

Sweep up to prevent slipping on polymer pellets  
Send for recovery or disposal in suitable receptacles.  
Dispose contaminated material as waste according to item 13.

**· 6.4 Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

**· 7.1 Precautions for safe handling**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not eat, drink, smoke or sniff while working.  
Ensure good ventilation/exhaustion at the workplace.  
Molten state:

Avoid skin contact with the liquefied material.  
Avoid breathing dust/fume/vapours.

**· Information about fire - and explosion protection: Protect against electrostatic charges.**
**· 7.2 Conditions for safe storage, including any incompatibilities**
**· Storage:**
**· Requirements to be met by storerooms and receptacles:**

Store in cool, dry conditions in well sealed receptacles.

**· Information about storage in one common storage facility: Not required.**
**· Further information about storage conditions: Protect from heat and direct sunlight.**
**· 7.3 Specific end use(s)**

No further relevant information available.  
See item 1.2

### SECTION 8: Exposure controls/personal protection

**· 8.1 Control parameters**
**· Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**· Additional information: The lists valid during the making were used as basis.**

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- **8.2 Exposure controls**
- **Appropriate engineering controls**  
Adequate ventilation should be maintained at handling.  
Additionally, local exhaust ventilation recommended at melting process.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Molten state:  
Wear a respirator conforming to EN140 at least with Type A filter.
- **Protection of hands:**



Protective gloves

Molten state:

Heat protection gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Leather gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Eye protection:**



Safety glasses

Safety goggles should be worn. At treating hot polymer or molten polymer, face shield should be recommended.

- **Skin and body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**  
Prevent the material from spreading into the environment.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

|                  |                 |
|------------------|-----------------|
| Form:            | Pellets         |
| Colour:          | Natural         |
| Odour:           | Odourless       |
| Odour threshold: | Not determined. |

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|  |  |
|--|--|
| · <b>pH-value:</b>   | Not applicable.  |
| · <b>Change in condition</b><br><b>Melting point/Melting range:</b><br><b>Boiling point/Boiling range:</b> | 190-194 °C<br>Not determined for mixture.  |
| · <b>Flash point:</b>  | Not applicable.  |
| · <b>Flammability (solid, gaseous):</b>  | Not determined for mixture.  |
| · <b>Ignition temperature</b>  | Not determined for mixture.  |
| · <b>Decomposition temperature:</b>  | Not determined for mixture.  |
| · <b>Self-igniting:</b>  | Not determined for mixture.  |
| · <b>Danger of explosion:</b>  | Product does not present an explosion hazard.  |
| · <b>Explosion limits:</b><br><b>Lower:</b><br><b>Upper:</b>   | Not determined for mixture.<br>Not determined for mixture.   |
| · <b>Oxidising properties</b>  | No oxidising properties  |
| · <b>Vapour pressure:</b>  | Not applicable for being a solid   |
| · <b>Density:</b><br>· <b>Relative density</b><br>· <b>Vapour density</b><br>· <b>Evaporation rate</b>     | Not determined.<br>Not applicable for a solid<br>Not applicable for being a solid<br>Not applicable. |
| · <b>Solubility in / Miscibility with water:</b>   | Insoluble.   |
| · <b>Partition coefficient (n-octanol/water):</b>  | Not determined.  |
| · <b>Viscosity:</b><br><b>Dynamic at 20 °C:</b><br><b>Kinematic:</b>                                       | 237-250 ml/g (ISO 307)<br>Not applicable.  |
| · <b>9.2 Other information</b>   | No further relevant information available.   |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under ordinary conditions of use and storage.
- **10.2 Chemical stability**  
Stable at environment temperature.  
The product is stable if stored and handled as prescribed/indicated
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
No hazardous reactions if stored and handled as prescribed/indicated.
- **10.4 Conditions to avoid**  
Avoid heat, flames, sparks and other sources of ignition.  
Avoid high temperature
- **10.5 Incompatible materials:** Oxidizing agents, acids, bases and reactive agents.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Hydrogen cyanide (prussic acid)

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Ammonia

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Not classified (Lack of data)
- **Serious eye damage/irritation** Not classified (Lack of data)
- **Respiratory or skin sensitisation** Not classified (Lack of data)
- **Other information (about experimental toxicology):**  
Aspiration hazard: No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Chemical residues generally count as special waste  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**  
Packaging may contain residues of the product and should be treated accordingly.  
Disposal must be made according to official regulations.

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### SECTION 14: Transport information

|  |   |
|--|---|
| · <b>14.1 UN-Number</b>  | The substance is not classified under transport regulations |
| · <b>ADR, ADN, IMDG, IATA</b>  | Not applicable  |
| · <b>14.2 UN proper shipping name</b>  | The substance is not classified under transport regulations |
| · <b>ADR, ADN, IMDG, IATA</b>  | Not applicable  |
| · <b>14.3 Transport hazard class(es)</b>   | The substance is not classified under transport regulations |
| · <b>ADR, ADN, IMDG, IATA</b>  |   |
| · <b>Class</b>   | Not applicable  |
| · <b>14.4 Packing group</b>  | The substance is not classified under transport regulations |
| · <b>ADR, IMDG, IATA</b>   | Not applicable  |
| · <b>14.5 Environmental hazards:</b>   |   |
| · <b>Marine pollutant:</b>   | No  |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.   |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.   |
| · <b>UN "Model Regulation":</b>  | Not applicable  |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: -
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
Product does not contain SVHCs.
- **Additional Information:**  
No obligation to perform SDS since it is not a hazardous substance/mixture
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Training hints**  
Specific training of workers to comply with the requirements specified in the Safety Data Sheet is required.
- **Department issuing SDS:** Product Liability
- **Contact:** Contact with business unit for any issue related to the safety data sheet

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**Trade name: UBE Nylon 5034FDX17****· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- \* **Data compared to the previous version altered.** Correction of errors.

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