

# Material Safety Data Sheet

## 1. Identification of the Product and of the Company

Manufacturer	Drake Extrusion Ltd. Old Mills, Drighlington, Bradford, England. BD11 1BY  Tel : +44(0)113 285 2202 Fax: +44(0)113 285 2575
Product Name	Conplus
Chemical Name	Polypropylene Homopolymer
Type of Product	Synthetic Fibre

## 2. Composition/Information on Ingredients

Main Components	Propene homopolymer or l-propene, polymer with ethene: min. 98%. Chemical formula: (C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub> .
Substances Presenting a Health Hazard	None to our knowledge.
Chemical Family	Olefin polymer.
Additives	Polypropylene antioxidants and stabilizers: 2.0% max.

## 3. Hazards Identification

Main Hazards	None to our knowledge.
Symptoms related to Inhalation	If heated to more than 235°C, the product may form vapours or fumes which may cause irritation of respiratory tract, resulting in coughing and sensation of shortness of breath.
Physico-chemical Hazards	Combustible if exposed to flames



## 4. First Aid Measures

Inhalation	In case of excessive inhalation move the person to fresh air. Call for medical help.
Skin Contact	After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek immediate medical advice
Eye Contact	In case of irritation, wash with copious volumes of water until the irritation disappears (at least 10 minutes). If necessary, consult eye specialist.
Ingestion	Ingestion during handling is not likely. In case of ingestion of small quantities, no important effect will be observed. In the case of ingestion of larger amounts this may result in abdominal pain and diarrhoea. If necessary, consult a doctor.

## 5. Fire-fighting Measures

Technical Measures	Stop the fire spreading. Call the fire brigade immediately. Evacuate nonessential personnel. Protective clothing, goggles and self-contained breathing equipment should be made available for firemen.
Extinguishing Media Suitable	Water haze Foam Carbon dioxide Chemical powder
Unsuitable extinguishing agents	None
Combustion Products	Complete combustion, with an excess of oxygen forms: carbon dioxide and water vapour. Partial combustion also forms carbon monoxide, soot and segregated products: aldehydes, ketones, hydrocarbons and volatile fatty acids.

## Accidental Release Measures

### **Person-related safety precautions:**

No specific measures are necessary.

### **Measures for environmental protection:**



No special measures required.

**Measures for cleaning/collecting:**

Spills:

Put into a labeled container and provide safe disposal.

Recycle product or dispose properly.

**Additional information:**

Collect spilled polymer: It could cause falls (Danger of slipping).

## 7. Handling and Storage

Do not store near highly flammable materials. Store away from heating source. Store in dry area to avoid degradation of the boxes and bags.

No special requirements necessary, if handled at room temperature.

Eating and drinking should be prohibited in areas where this material is handled, stored and processed.

Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the

Avoid spilling the product, as this might cause falls – slipping

## 8. Exposure Controls and Personal Protection

Occupational Exposure Limit

Bskyttelse af hænder, hud og krop

Restorable dust particles not considered to be a hazard.

## 9. Physical and Chemical Properties

Appearance

Monofilament Fibre

Physical State at 20°C

Solid

Colour

White.

Odour

Odourless.

Change in Physical State Melting Point/Range:

From 160° to 163°C

Ignition Temperature (°C)

>400°C

Decomposition Temperature (°C):

>300°C

Danger of Explosion:

Product is non explosive.

Density, mass at 20°C (kg/m<sup>3</sup>):

0.89-0.91 g/cm<sup>3</sup>

Solubility in Water (%weight):

Insoluble.

Viscosity (mm<sup>2</sup>/s):

Non-applicable.

Content of Chloride:

< 0.001%



## 10. Stability and Reactivity

Stability	Stable under normal operating conditions.
Conditions to avoid	Avoid proximity or contact with flames or sparks. Do not heat to temperatures exceeding 300°C.
Materials to avoid	Strong oxidation agents. <b>Dangerous reactions</b> No dangerous reactions known <b>Dangerous products of decomposition:</b> No hazardous decomposition products known at room temperature

## 11. Toxicological Information

Acute toxicity Symptoms related to Use: Inhalation	Low risk for temperatures below 40°C. If heated to more than 235°C the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath.
Skin Contact	No risk for temperatures below 40°C. Contact with hot material may cause severe thermal burns.
Eye Contact	Fine dust may cause irritation to ocular mucous, splashing of molten droplets causes ocular tissue injury.
Ingestion	Minimal toxicity.
Carcinogenicity (mg/kg)	IARC (International Agency on Research on Cancer): Category 3: The agent is not classifiable as to its carcinogenicity to humans.
Mutagenicity	This product has been found to be non-mutagenic as well as non-genotoxic.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Other	Polyolefines are biologically inert.



## 12. Ecological Information

Information on Ecological Effects

Avoid losses to the environment whenever possible.

Mobility:

There is a slow loss by evaporation.

Air

Because of its physicochemical properties, the product generally has low soil mobility.

Soil

Water

Because of its low solubility the product should not be dangerous for aquatic life.

Persistence and Degradability

Persistent in the environment.

Biodegradation

This substance is slowly biodegradable.

Bioaccumulative Potential

Potential bioaccumulation of the product in environment is very low.

## 13. Disposal Considerations

Disposal

According to local regulations. The material can be re-used or recycled according to the regulations of Guideline EG 94/62.

Disposal through controlled incineration or authorised waste dump.

## 14. Transportation Information

Transport Restrictions.

According to national and international guidelines, which regulate the road-, rail-, air- and sea transport, this product, is classified as not dangerous.

## 15. Regulatory information

Labelling

No labelling is required in accordance with the EEC directives.



## 16. Other information

The information contained in the Safety Data Sheet is at the date of its issuance to the best of our knowledge, correct, according to the data available to us. The information only applies to products produced by us. The information is meant as a guideline for safe use, handling, disposal, storage and transport of the products. However, no warranty is made or implied that the information is accurate or complete and no liability will be accepted whatsoever arising out of the use of the information or the products.

