

Date: 11.05.2004

Former date: -

1. IDENTIFICATION OF THE CHEMICAL AND OF THE MANUFACTURER, IMPORTER OR OTHER UNDERTAKING**1.1 Identification of the substance or preparation**

Trade name

PREBLACK PE 700-30

Code of the preparation -

1.2 Use of the chemical**1.2.1 The intended uses of the chemical**

to color thermoplastics

1.2.2 Standard industrial classification (SIC)

246

1.2.3 Use categories (UC62)

10

1.2.4 The chemical can be used by the general public**1.2.5 The chemical is used by the general public only****1.3 Identification of the manufacturer, importer or other undertaking****1.3.1 Manufacturer, importer, other undertaking**

Premix Oy

1.3.2 Contact information:

Street address

Tekniikantie

Postcode and post office

FIN-05200 Rajamäki

Post-office box

P.O.Box 12

Postcode and post office

FIN-05201 Rajamäki

Telephone number

+358 9 878 041

Telefax

+358 9 878 04400

Y code

FI03572581

1.3.3 Information on foreign manufacturer

-

1.4 Emergency telephone**1.4.1 Telephone number, name and address**

-

2. COMPOSITION AND INFORMATION ON INGREDIENTS**2.1 Hazardous ingredients**

2.1.1 CAS number or other code	2.1.2 Name of the ingredient	2.1.3 Concentration	2.1.4 Warning symbol, R phrases and other data on the ingredient
-	-	-	-

2.1.5 There has been a request for confidentiality of a substance according to Annex 3 of the decree

2.1.6 A substance not dangerous has been indicated as confidential

2.1.7 Other information

PE-based masterbatch containing carbon black which is bound in the base polymer

3. HAZARDS IDENTIFICATION

Carbon black in the dust form is listed as a possible carcinogen to humans - group 2B - by the International Agency for Research on Cancer (IARC), but is not listed as a carcinogen by U.S. National Toxicity Program (NTP) and U.S. Occupational Safety and Health Administration (OSHA). In the masterbatch carbon black is not in the dust form but is bound in plastic, so there is no hazard.

4. FIRST AID MEASURES

4.1 Special instructions -

4.2 Inhalation -

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- 4.3 Skin contact**
Wash with water. In case of skin contact with molten plastic cool rapidly with water. Do not attempt removal of plastics without medical assistance.
- 4.4 Eye contact**
wash with water
- 4.5 Ingestion -**
- 4.6 Information to doctor or other trained persons giving first aid -**

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
water, foam, CO₂
- 5.2 Extinguishing media which must not be used for safety reasons -**
- 5.3 Special exposure hazards in a fire**
oxides of carbon and hydrocarbon fragments
- 5.4 Special protective equipment for fire-fighters -**
- 5.5 Other instructions -**

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions -**
- 6.2 Environmental precautions -**
- 6.3 Methods for cleaning up**
normal cleaning
- 6.4 Other instructions -**

7. HANDLING AND STORAGE

- 7.1 Handling**
Follow proper standard industrial hygiene practices. Avoid dust formation and too high temperatures.
- 7.2 Storage**
to be stored dry
- 7.3 Specific use(s) -**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure limit values**
- 8.1.1 HTP values -**
- 8.1.2 Other limit values -**
- 8.1.3 Limit values in other countries -**

8.2 Exposure controls

- 8.2.1 Occupational exposure controls -**
- 8.2.1.1 Respiratory protection**
when processing fumes are not adequately controlled, use respirator
- 8.2.1.2 Hand protection**
gloves where needed
- 8.2.1.3 Eye protection**
safety glasses where needed
- 8.2.1.4 Skin protection**
normal clothing
- 8.2.2 Environmental exposure controls -**

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General information (physical state, colour and odour)**

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granule, black, typical odour

9.2 Important health, safety and environmental information

9.2.1 pH -

9.2.2 Boiling point/boiling range -

9.2.3 Flash point
> 300 °C

9.2.4 Flammability (solid, gas) -

9.2.5 Explosive properties

9.2.5.1 Lower explosive limit -

9.2.5.2 Upper explosive limit -

9.2.6 Oxidising properties -

9.2.7 Vapour pressure -

9.2.8 Relative density
1.1 g/cm³

9.2.9 Solubility

9.2.9.1 Water solubility
not soluble

9.2.9.2 Fat solubility (solvent-oil to be specified)
not soluble

9.2.10 Partition coefficient: n-octanol/water -

9.2.11 Viscosity -

9.2.12 Vapour density -

9.2.13 Evaporation rate -

9.3 Other information

-

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid-

10.2 Materials to avoid -

10.3 Hazardous decomposition products
oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity
Carbon black: LD50 (oral,rats):>8000mg/kg

11.2 Irritation and corrosiveness -

11.3 Sensitisation -

11.4 Sub-acute, sub-chronic and prolonged toxicity -

11.5 Empirical data on effects on humans
none known

11.6 Other information on health effects

Carbon black in the dust form: Carbon black contains trace amounts of strongly adsorbed polynuclear aromatic compounds (PAH's). Some PAH's in the non-adsorbed form have been found to be carcinogenic. Epidemiology studies of U.S. and W.European carbon black workers show no significant health effects due to occupational exposure. Chronic inflammation , lung fibrosis and lung tumors have

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been found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black and other insoluble dust particles which overwhelm the lung clearance mechanisms. The researchers who conducted these tests believe that these diseases most likely result from the massive accumulation of small dust particles in the lung, the "lung overload phenomenon," rather than from specific chemical effect of carbon black. Such effects occur only when the lungs are overloaded with an excess of small particles. Human studies have not found that workplace exposure to carbon black at or below the TLV causes these effects.

Carcinogenicity: Carbon black is listed as a possible carcinogen to humans - group 2B - by the International Agency for Research on Cancer (IARC), but is not listed as a carcinogen by U.S. National Toxicity Program (NTP) and U.S. Occupational Safety and Health Administration (OSHA).

12.	ECOLOGICAL INFORMATION
12.1	Ecotoxicity
12.1.1	Aquatic toxicity Carbon black: fish: LC50(96h)>100mg/l, (Brachydanio rerio), OECD203, water flea: EC50(24h)>5600 mg/l, (Daphnia magna), OECD202, algae: EC50 (72h)>10000 mg/l (Scenedesmus subspicatus)
12.1.2	Toxicity to other organisms -
12.2	Mobility not watersoluble
12.3	Persistence and degradability
12.3.1	Biodegradation not biodegradable
12.3.2	Chemical degradation not tested
12.4	Bioaccumulative potential not tested
12.5	Other adverse effects -
13.	DISPOSAL CONSIDERATIONS
	dispose of at approved land-fill tips according to local regulations
14.	TRANSPORT INFORMATION
14.1	UN number -
14.2	Packing group -
14.3	Land transport
14.3.1	Transport class -
14.3.2	Risk code -
14.3.3	Name according to bill of freight -
14.3.4	Other information -
14.4	Sea transport
14.4.1	IMDG class -
14.4.2	Correct technical name -
14.4.3	Other information -
14.5	Air transport
14.5.1	ICAO/IATA class -
14.5.2	Correct technical name -

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14.5.3 Other information -

15. REGULATORY INFORMATION

15.1 Information on the warning label

15.1.1 Letter code of the warning symbol and indications of danger for the preparation-

15.1.2 Names of the ingredients given on the warning label -

15.1.3 R phrases -

15.1.4 S phrases -

15.1.5 Special regulations on certain preparations -

15.2 National regulations -

16. OTHER INFORMATION

16.1 List of the relevant R phrases -

16.2 Training advice -

16.3 Restrictions on use -

16.4 Further information
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16.5 Sources of key data used
information from raw material suppliers

16.6 Information which has been added, deleted or revised -