

Date: 22.7.2015

Former date:

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Trade name**

PRE-ELEC TPE 1504

Company product code

TPE1504

Reach registration number

mixture, no registration

1.2 Relevant identified uses of the substance or mixture and uses advised against**The uses of the chemical**

to make electrostatic conductive products

Classification of economic activities (NACE)

C20.16

Use categories (UC62)

55

The chemical can be used by the general public**The chemical is used by the general public only****1.3 Details of the supplier of the safety data sheet****Manufacturer, importer, other undertaking****Street address**

Muovitie 4

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

Web page

www.premixgroup.com

Finnish Business ID (Y code)

FI03572581

1.4 Emergency telephone numberEmergency telephone number Europe: 112.
Other countries: check local number.**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture
not hazardous mixture****2.2 Label elements
NA****2.3 Other hazards**

Compound contains carbon black which is bound in the base polymer. Carbon black is listed in the dust form as a possible carcinogen to humans - group 2B - by the International Agency for Research on Cancer (IARC). In the compound carbon black is not in the dust form but is bound in plastic.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous ingredients**

CAS/EC number and the registration number	Name of the ingredient	Concentration	Classification
NA			

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Wash with water. In case of skin contact with molten plastic cool rapidly with water. Do not attempt removal of plastics without medical assistance.

4.2 Most important symptoms and effects, both acute and delayed

Burning marks in skin contact with molten plastic

4.3 Indication of any immediate medical attention and special treatment needed

severe burning of skin

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media
water, foam, CO2****5.2 Special hazards arising from the substance or mixture**

Oxides of carbon and hydrocarbon fragments

5.3 Advice for firefighters

no special advice

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

no special precautions needed

6.2 Environmental precautions

do not let the granules contaminate the soil

6.3 Methods and material for containment and cleaning up

sweep up spill

6.4 Reference to other sections

NA

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Follow proper standard industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

to be stored dry

7.3 Specific end use(s)

none known

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****National occupational exposure limit values**

NA

Other limit values

NA

DNEL

NA

PNEC

NA

8.2 Exposure controls**Appropriate engineering controls**

NA

Eye/face protection

safety glasses where needed

Skin protection

normal clothing

Hand protection

gloves where needed
 Respiratory protection
 provide adequate ventilation, use local exhaust ventilation
 Thermal hazards
 molten plastic
 Environmental exposure controls
 do not let the granules contaminate the soil

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	granule
Odour	characteristic odour
Odour threshold	NA
pH	NA
Melting point/freezing point	NA
Initial boiling point and boiling range	NA
Flash point	NA
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper/lower flammability or explosive limits	NA
Vapour pressure	NA
Vapour density	NA
Relative density	1.1 g/cm ³
Solubility(ies)	NA
Partition coefficient: n-octanol/water	NA
Auto-ignition temperature	NA
Auto-ignition temperature	NA
Decomposition temperature	>260 C
Viscosity	NA
Explosive properties	NA
Oxidising properties	NA

9.2 Other information
 none

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity
 stable
- 10.2 Chemical stability
 stable
- 10.3 Possibility of hazardous reactions
 little
- 10.4 Conditions to avoid
 do not allow product to remain in barrel at elevated temperatures for extended period of time
- 10.5 Incompatible materials

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10.6 none known
Hazardous decomposition products
Oxides of carbon and hydrocarbon fragments

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute 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), LD50 (oral, rats): > 8000 mg/kg.

Skin corrosion/irritation

none known

Serious eye damage/irritation

none known

Respiratory or skin sensitisation

none known

Germ cell mutagenicity

none known

Carcinogenicity

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), LD50 (oral, rats): > 8000 mg/kg. 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).

Reproductive toxicity

none

STOT-single exposure

NA

STOT-repeated exposure

NA

Aspiration hazard

NA

Other information

none

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
nontoxic

12.2 Persistence and degradability
nonbiodegradable

12.3 Bioaccumulative potential
nonbioaccumulate

12.4 Mobility in soil
insoluble in water

12.5 Results of PBT and vPvB assessment
none

12.6 Other adverse effects
none

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SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 **Waste treatment methods**
Reuse or recycle if possible. Dispose of at approved land-fill tips according to local regulations

SECTION 14: TRANSPORT INFORMATION

- 14.1 **UN number**
NA
- 14.2 **UN proper shipping name**
NA
- 14.3 **Transport hazard class(es)**
NA
- 14.4 **Packing group**
NA
- 14.5 **Environmental hazards**
none
- 14.6 **Special precautions for user**
none
- 14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
NA

SECTION 15: REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
none
- 15.2 **Chemical safety assessment**
none

SECTION 16: OTHER INFORMATION

CARBON BLACK dust: 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).

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 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.