

Date: 24.5.2017

Former date: 23.10.2014

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

Trade name  
PREPERM  
Company product code  
255, LXXX, TP2XXXX  
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 injection molded or extruded plastic products  
Classification of economic activities (NACE) 222  
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
E-mail address	info@premixgroup.com
Finnish Business ID (Y code)	FI03572581

**1.4 Emergency telephone number**

Emergency 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**

Granules with slight or no odor

- Spilled material may create slipping hazard
- Can burn in a fire creating dense, toxic smoke
- Molten plastic can cause severe thermal burns
- Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients

CAS/EC number and the registration number	Name of the ingredient	Concentration	Classification
25134-01-4	Poly(2,6-dimethyl-1,4-phenylene ether) (PPE)	10 - 90%	
	Ceramic fillers	0 - 75%	
	Additives	5 - 40%	

PREPERM granulates are a special proprietary compound based on PPE. Fillers are bound to polymer matrix.

### 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 spray, foam, CO<sub>2</sub>

#### 5.2 Special hazards arising from the substance or mixture

oxides of carbon and hydrocarbon fragments

#### 5.3 Advice for firefighters

Wear self contained positive pressure breathing apparatus and full fire protective clothing

### 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

normal cleaning

#### 6.4 Reference to other sections

NA

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Follow proper standard industrial hygiene practices. Avoid dust formation and too high temperatures.

#### 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

Eye/face protection

safety glasses where needed

Skin protection

normal clothing

Hand protection

protective 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	130 - 230C
Initial boiling point and boiling range	NA
Flash point	>350C
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper/lower flammability or explosive limits	NA
Vapour pressure	NA
Vapour density	NA
Relative density	1.1 - 2.5 g/cm <sup>3</sup>
Solubility(ies)	Soluble in aromatic and chlorinated organic solvents
Partition coefficient: n-octanol/water	NA
Auto-ignition temperature	NA
Auto-ignition temperature	NA
Decomposition temperature	> 320C
Viscosity	NA
Explosive properties	NA
Oxidising properties	NA

**9.2 Other information**

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#### SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity**  
The product is stable under normal conditions of use and storage.
- 10.2 Chemical stability**  
The product is stable under normal conditions of use and storage.
- 10.3 Possibility of hazardous reactions**  
low
- 10.4 Conditions to avoid**  
Temperature above 320°C. Do not allow product to remain in barrel at elevated temperatures for extended period of time
- 10.5 Incompatible materials**  
none known
- 10.6 Hazardous decomposition products**  
Coxides of carbon and unknown decomposition products ,which may be harmful for health.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### 11.1 Information on toxicological effects

**Acute toxicity**  
none known

**Skin corrosion/irritation**  
none known

**Serious eye damage/irritation**  
none known

**Respiratory or skin sensitisation**  
none known

**Germ cell mutagenicity**  
none known

**Carcinogenicity**  
none known

**Reproductive toxicity**  
none known

**STOT-single exposure**  
NA

**STOT-repeated exposure**  
NA

**Aspiration hazard**  
NA

**Other information**

#### SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**  
non-toxic
- 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**  
NA
- 12.6 Other adverse effects**  
none

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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

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**SECTION 14: TRANSPORT INFORMATION**

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- 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

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**SECTION 15: REGULATORY INFORMATION**

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

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**SECTION 16: OTHER INFORMATION**

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