

Safety Data Sheet

PREMARK®

Revision date: 20/11/2017
Version: 2.1.0

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Trade name: PREMARK®

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Thermoplast for road markings.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Geveko Markings Denmark A/S
Address: Longelsevej 34
Zip code: 5900
City: Rudkøbing
Country: DENMARK
E-mail: msds@gevekomarkings.com
Phone: +45 63517171
Homepage: <http://www.geveko-markings.com>

1.4. Emergency Telephone Number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

CLP Classification - other information: According to EC directives or the corresponding national regulations there is no labelling obligation for this product. The product is classified and labelled according to the CLP regulation (1272/2008)

2.2. Label elements

P-phrases

P232 Protect from moisture.
P402 Store in a dry place.
P410 Protect from sunlight.

Supplemental information

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Quartz - not resp.	14808-60-7	238-878-4	-	25 - 50%		
Titanium dioxide	13463-67-7	236-675-5	01-2119489379-17-xxxx	0 - 10%		

Please see section 16 for the full text of H-phrases.

Ingredient comments: The product is classified and labelled according to the CLP regulation (1272/2008)

SECTION 4: First aid measures

4.1. Description of first aid measures

- Ingestion:** Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
- Skin contact:** Rinse with water. Seek medical advice in case of persistent discomfort.
- Eye contact:** Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist. Seek medical advice in case of persistent discomfort.
- Burns:** The melted product can cause severe burns. Following contact with the melted product, quickly cool affected skin area with water. Seek medical advice in case of persistent discomfort.
- General:** No symptoms known up to now. When obtaining medical advice, show the safety data sheet or label. May cause allergic eczema in already sensitised persons.

4.2. Most important symptoms and effects, both acute and delayed

No symptoms known up to now.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media:** Extinguish with powder, foam, carbon dioxide or water mist.
- Unsuitable extinguishing media:** Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to the escape of irritating gases and vapors. In case of inhalation of decomposition products, take the affected person into the fresh air and sit him quietly.

5.3. Advice for fire-fighters

Carbon monoxide may be formed in the event of incomplete combustion. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases seek fresh air.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No special precautions required.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent discharge of larger quantity to drain.

6.3. Methods and material for containment and cleaning up

Sweep up the material.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product should be used outdoors.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry area.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

Legal basis: EH40/2005 Workplace exposure limits incl. supplement from October 2007.

8.2. Exposure controls

Exposure controls: Ensure compliance with local regulations for emissions.

Personal protective equipment, eye/face protection: No special precautions required.

Personal protective equipment, skin protection: No special precautions required.

Personal protective equipment, hand protection: No special precautions required.

Personal protective equipment, respiratory protection: No special precautions required.

Heating hazards: Do not get water inside container.

Other Information: Ensure compliance with local regulations for emissions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Solid substance
Colour	Multiple colours
Odour	Odourless
Solubility	No data
Explosive properties	Non-explosive
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	90 - 150 °C	
Freezing point	No data	
Initial boiling point and boiling range	260 > °C	
Flash Point	250 > °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	1,8-2,2 g/cm ³	

Other Information: Solubility in water: Insoluble in water.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with strong oxidizing agents.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

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Avoid contact with moisture and water.

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not release hazardous vapours. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	May cause slight irritation.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Hardens to a firm, non-mobile mass.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Category of waste: Suitable classification of waste is the responsibility of the user.

SECTION 14: Transport information

14.1. UN-No.: Not applicable. **14.4. Packing group:** Not applicable.
14.2. UN proper shipping name: Not applicable. **14.5. Environmental hazards:** Not applicable.
14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Other Information: Not classified as dangerous goods.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	29/04/2015		
1.0.1	11/01/2016		
2.0.0	22/06/2017		
2.1.0	20/11/2017		11.1, 13.1

Other Information: The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Document language: GB