

Safety Data Sheet PREMARK®

Revision date: 11/01/2016

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

Company: Reflective Road Safety Products
 Address: 44 Swift Way, Dandenong, Vic 3175
 Phone: 03 9706 4646

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Precautionary statements

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

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% | | |
| Resin acids and Rosin acids, maleated, esters with glycerol | 94581-16-5 | 305-515-7 | 02-2119781501-41-xxxx | 5 - 15% | | Skin Sens. 1:H317 Eye Irrit. 2:H319 Aquatic Chronic 4:H413 |
| Titandioxid | 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

| | |
|----------------------|---|
| Inhalation: | Not applicable. |
| Ingestion: | Drink water. Seek medical advice in case of discomfort. |
| Skin contact: | Rinse with water. Seek medical advice in case of persistent discomfort. |
| Eye contact: | Rinse thoroughly with water until the irritation subsides. 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: Fire can be extinguished with carbon dioxide, powder, foam or water spray.

Unsuitable extinguishing media: Do not use water in a focused jet.

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.

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: Use the product under well-ventilated conditions, preferably outdoors. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

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 must be stored safely, out of reach of children and away from food, feed, medicines, etc.. have been excluded. Store in dry conditions. VCI storage class: LGK 13

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, hand protection: No special precautions required.

Personal protective equipment, skin 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.

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 | |
| Explosive properties | Non-explosive |
| Oxidising properties | |

| 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 suppliers directions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid contact with moisture and water.

10.5. Incompatible materials

Oxidizer storage.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO and CO₂ 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 - dermal: The product does not have to be classified. Test data are available D24878.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|--|
| Acute toxicity - inhalation: | The product does not release hazardous vapours. The product does not have to be classified. Test data are not available. |
| Skin corrosion/irritation: | The product does not have to be classified. Test data are available D24878. |
| Serious eye damage/eye irritation: | May be slightly irritating. |
| 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

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

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 MARPOL73/78 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 | | |

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.

List of relevant H-statements

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.