

Trackstar Industries manufactures following grades of retro-reflective Thermoplastic Road Marking materials:

- **TrackOMark™** [BS 3262: Part 1 / 1989]
- **TrackOPlus™** [MoRT&H, 803.4]
- **TrackOSpark™** [AASHTO M 249-12]

Users are advised to read the below mentioned Health & Safety instructions carefully before using any of the above mentioned grades.

POSSIBLE HEALTH HAZARDS

Powdered Form

- + **Skin Contact:** Low order of toxicity, Low order of irritation, Contact with skin should be minimize
- + **Eye Contact:** Particles may scratch eye surfaces/cause mechanical irritation
- + **Ventilation:** Should be used in well ventilated areas
- + **Dust long term exposure limit:** 10mg/m³ 8 hours' Time Weighted Average.
- + **Ingestion:** Essentially nontoxic. Ingestion should be avoided

Molten Form

- + **Skin Contact:** Contact with skin will cause burns and must be avoided
- + **Eye Contact:** Contact with eyes will cause serious damage and must be avoided
- + **Inhalation:** Negligible hazard. Should be used in well ventilated areas
- + **Ingestion:** Ingestion will cause serious harm and must be avoided

Note: Middle Chrome pigment used in the manufacture of yellow thermoplastic road marking compound is a low solubility inorganic lead compound.

PRELIMINARY FIRST-AID

Powdered Form

- + **Skin contact:** Negligible hazard. Wash with soap & water
- + **Eye contact:**
 - i) Flush eyes with large amounts of cold sterile water until irritation subside
 - ii) If irritation persists seek medical attention
- + **Inhalation:** First aid not normally required
- + **Ingestion:** No hazard in normal industrial use. First Aid not normally required

Molten Form

- + **Skin/Eye contact:** Immediately immerse or flush the affected area with large amounts of cold sterile water to dissipate heat and limit the injury
- + No attempt should be made to remove the thermoplastic or any clothing that may be fused to the damaged area. Seek immediate medical attention and give this information sheet to medical staff
- + **Inhalation:** In normal industrial use, First aid is not normally required for Inhalation of fumes
- + **Ingestion:** Seek immediate medical attention

It is advisable to keep a complete preliminary first-aid kit of medicines & band-aides while working at a Thermoplastic Road Marking compound application site. Also, medical assistance should be taken immediately if any health related problem persists even after the above mentioned steps to treat the problem locally.

PRECAUTIONS IN HANDLING & USE

- ✚ **General:** Hot applied thermoplastic road marking material should not be used in its molten form by anybody not formally trained in safe handling procedures.
- ✚ **Storage and Transportation:** Thermoplastic materials should be stored safely and securely in areas not subjected to excessive heat or contamination from fuels, oils or greases.
- ✚ **Personal Protective Equipment:** Wear long sleeved flame retardant overalls, industrial, safety shoes/boots. Industrial heat resistant gloves with extended sleeves, gauntlet type. Full face shield for loading and running off pre-heaters. Use proper respiratory protection when working in areas of poor ventilation.
- ✚ **Heating:** Ensure that all operatives are fully conversant with equipment manufacturer safety instructions for lighting, feeding and shutting down of pre-heaters. Maintain equipment in good working order, ensure temperature gauges are accurate and calibrated regularly. Do not overheat material. Do not maintain at working temperature for longer than is necessary (maximum 6 hours). To avoid danger of hot material splashing, great care should be taken when adding material to hot material already in the pre-heater. Use well charged pre-heaters but do not overfill, allow for expansion of the molten thermoplastic.
- ✚ **Application:** The 'Maximum Application Temperature' and 'Maximum safe Heating Temperature' are marked on our packages.

EMERGENCY PROCEDURES

FIRE

The prime consideration in the event of a fire must be the safety of the operatives and anyone in the immediate vicinity of the fire. The procedures listed below are recommended only when personal safety is not at risk. If the fire cannot be extinguished without endangering personal safety, call the Fire Brigade Immediately. *In the event of a fire in the Pre-heater:* Fire will produce dense black smoke containing harmful products of combustion.

- ✚ Turn off gas or heating source immediately
- ✚ Turn off agitator and extinguish flames using dry powder or CO2 fire extinguisher
- ✚ Do not use water at any time, either to extinguish the fire or to cool the pre-heater
- ✚ Leave pre-heater open & introduce more cold material into the pre-heater to reduce the overall product temperature
- ✚ Allow to cool, check temperature gauge & do not drain off material until it has cooled below the maximum safe heating temperature

SPILLAGE/ESCAPE

In the event of spillage or escape:

- ✚ If safe to do so - shut off source
- ✚ Contain the spillage
- ✚ Allow to solidify before disposal

ENVIRONMENTAL PRECAUTION

Waste material should be disposed of in accordance with local disposal regulations for non-hazardous substances.

Disclaimer: *This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of knowledge of **Trackstar Industries** and belief accurate and reliable. However, no representation, warranty of guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.*