

Date: July 1, 2016

Former date: January 1, 2016

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

PR 2003 Black UVTR

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

Masterbatch to impart ultra violet and track resistance

**Classification of economic activities (NACE)****Use categories (UC62)**

55 Others

The chemical can be used by the general public

**1.3 Details of the supplier of the safety data sheet****Manufacturer, importer, other undertaking T &**

T &amp; T Marketing, Inc.

**Street address****Postcode and post office**640 N. 13<sup>th</sup> Street, Easton, PA 18042**Telephone number****Day:** 610-252-8404**Evening:** 610-217-1539**Telefax**

N/A

**E-mail address**

plorigan@ttmarketinginc.com

**1.4 Emergency telephone number****Day:** 610-252-8404**Evening:** 610-217-1539**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Polyolefin Compound – UV TR Masterbatch

**2.2 Label elements**

GHS07



GHS09

**Signal word:** Warning**Hazard statements**

H317 May cause allergic skin reaction

H413 May cause long lasting effects to aquatic life

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P260 Do not breathe dust/fume/vapors.  
 P280 Wear protective gloves/protective clothing/eye protection  
 P314 Get medical advice/attention if you feel unwell.  
 P273 Avoid release to the environment.  
 P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with local regulations.

**2.3 Other hazards**

Dust may cause irritation of the eye and skin. Fumes from heating may irritate the respiratory system.

CAS/EC number and the registration number	Name of the ingredient	Concentration Weight %
CAS 9002-88-44	Polyethylene	50 – 95%
CAS 1333-86-4	Carbon Black	< 1 %
Proprietary	Proprietary Stabilizers	0 - 5

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

**General:** In case of accident or if you feel unwell, seek medical advice immediately (show this safety data sheet where possible).

**EYES:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes.

**SKIN:** If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer. Do not attempt to peel polymer from skin.

**INGESTION:** Adverse health effects due to ingestion are not anticipated. Seek medical attention if discomfort occurs.

**INHALATION:** If symptoms are experienced, move victims to fresh air. Seek medical attention if discomfort occurs.

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

**Inhalation:** Avoid prolonged exposure to dust.

**Skin contact:** Prolonged exposure may cause slight irritation. Rubbing may cause mechanical irritation. The product is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

**Eye contact:** Dust may mechanically irritate eyes.

**Ingestion:** Symptoms or effects not known.

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

No special instructions. Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Carbon Dioxide, foam, fog, sprays and dry chemical water.

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

Carbon Dioxide, Carbon Monoxide

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus. Assure an extended cooling period to prevent re-ignition. Evacuate area. Prevent runoff from fire control from entering streams sewers, or drinking water supply.

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

Use appropriate personal protection, see section 8.2. Ensure adequate ventilation. Remove all ignition sources. Keep unauthorized persons away from danger zone.

**6.2 Environmental precautions**

Prevent entry into sewers, soil and waterways. If the product pollutes lakes, watercourses or drainage systems, inform the local authorities.

**6.3 Methods and material for containment and cleaning up**

**Land Spill:** Collect by vacuuming or sweeping into suitable containers for reuse or dispose of in accordance with local regulations.

**Water spill:** Stop leak if you can without due risk. Confine the spill immediately with booms. Skim from surface.

**6.4 Reference to other sections**

Safe handling: see section 7.

Personal protection equipment: see section 8.2.

Disposal: see section 13.

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

Keep material off walking surfaces, it may create a slipping hazard. Polymer dust may form explosive mixture with air. Avoid accumulation of dust in enclosed space. Use in well-ventilated area. Ground and bond equipment to prevent electrostatic charge when transferring product. Control spilled material to prevent runoff to the sewers and the environment.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container dry. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination.

**7.3 Specific end use(s)**

None reported.

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

PEL	OSHA	15mg/m <sup>3</sup> total, 5 mg/m <sup>3</sup> respirable
TLV/TWA	ACGIH	10 mg/m <sup>3</sup> total

**8.2 Exposure controls****Appropriate engineering controls**

If dust is generated, provide local exhaust ventilation to control airborne levels below the ACGIH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10 mg/m<sup>3</sup> for inhalable particles and 3 mg/m<sup>3</sup> of respirable. Adequate ventilation should be provided so that exposure limits are not exceeded.

**Eye/face protection**

Wear safety glasses with side shields or goggles when handling this material.

**Skin protection**

To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit as appropriate, when handling dry material. Use thermal resistant gloves when handling molten material. Refer to glove manufacturer's data for proper glove selection.

**Thermal hazards**

Molten material may cause thermal burns and may release harmful gases.

**Environmental exposure controls**

Prevent entry into environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	solid pellets
<b>Odor</b>	Slight odor
<b>Odor threshold</b>	unknown
<b>pH</b>	not applicable
<b>Melting point/freezing point</b>	250 to 300 F
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	not applicable
<b>Evaporation rate</b>	not applicable
<b>Flammability (solid, gas)</b>	Doesn't ignite easily
<b>Upper/lower flammability or explosive limits</b>	unknown
<b>Vapour pressure</b>	not applicable
<b>Vapour density</b>	not applicable
<b>Relative density</b>	unknown
<b>Solubility(ies)</b>	Insoluble
<b>Partition coefficient: n-octanol/water</b>	not applicable
<b>Auto-ignition temperature</b>	not applicable
<b>Decomposition temperature</b>	unknown
<b>Viscosity</b>	not applicable
<b>Explosive properties</b>	not explosive
<b>Oxidizing properties</b>	Avoid strong oxidizers

**9.2 Other information**

Specific gravity: 1.216

**SECTION 10: STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
Not reactive under normal use and storage conditions. Stable in normal temperatures and air pressure.  
Hazardous polymerization does not occur.
- 10.2 Chemical stability**  
Chemically stable under normal storage conditions.
- 10.3 Possibility of hazardous reactions**  
No hazardous reactions known under normal use and storage conditions.
- 10.4 Conditions to avoid**  
Keep away from intense heat and strong oxidizers.
- 10.5 Incompatible materials**  
No incompatible materials known.
- 10.6 Hazardous decomposition products**  
Carbon dioxide, Carbon Monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**

Not fully investigated but not expected.

**Skin corrosion/irritation**

Molten material will produce thermal burns.

**Serious eye damage/irritation**

Low Hazard for usual industrial handling.

**Respiratory or skin sensitization**

The product is not classified as a skin or respiratory sensitizer.

**Germ cell mutagenicity**

The product is not classified as a mutagen.

**Carcinogenicity**

N/A

**Reproductive toxicity**

The product is not classified as a reproductive toxicant.

**STOT-single exposure**

The product is not classified as toxic to specific target organs through single exposure. Hot fumes from working may irritate respiratory system.

**STOT-repeated exposure**

The product may cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

The product is not classified as hazardous with aspiration.

**Other information**

There are no further data available on the product. Repeated or prolonged exposure may cause irritation on the skin.

**SECTION 12: ECOLOGICAL INFORMATION**

- 12.1 Toxicity**  
An additive in this product may be toxic to aquatic organisms. However, the additive contained in this product is completely encapsulated in thermoplastics and as such, has limited bio-availability.
- 12.2 Persistence and degradability**  
No data.
- 12.3 Bioaccumulative potential**  
No data.
- 12.4 Mobility in soil**  
Insoluble in water.
- 12.5 Results of PBT and vPvB assessment**  
Chemical safety assessment has not been performed, assessment results for components not available.
- 12.6 Other adverse effects**  
Not reported.

**SECTION 13: DISPOSAL CONSIDERATIONS**

- 13.1 Waste treatment methods**  
Dispose of waste at an appropriate waste disposal facility according to applicable laws and regulations.

**SECTION 14: TRANSPORT INFORMATION**

- 14.1 UN number**  
This product is not classified for transportation.
- 14.2 UN proper shipping name**  
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- 14.3 Transport hazard class(es)**  
-Not regulated
- 14.4 Packing group**  
- N/S
- 14.5 Environmental hazards**  
Toxic to aquatic life with long lasting effects.
- 14.6 Special precautions for user**  
No special precautions.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
Not applicable.

**SECTION 15: REGULATORY INFORMATION**

- 15.1 TOXIC SUBSTANCE CONTROL ACT:** All the components of this product are on the TSCA inventory.

**STATE REGULATORY INFORMATION:** For details on your specific state regulatory requirements, you should contact the appropriate agency in your state.

- 15.2 Chemical safety assessment**  
Chemical safety assessment has not been performed.

Trade name: PR 2003 Black

T&T Marketing, Inc

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**SECTION 16: OTHER INFORMATION**

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**NFPA CODES:**

FIRE: 1      HEALTH: 1      REACTIVITY: 0      SPECIAL: -

**Restriction of Hazardous Substances Directive EU 2015 / 863 (RoHS 2)**

PR 2003 Black complies with "Restriction of Hazardous Substances" Directive EU 2015 / 863 (RoHS 2), commonly known as RoHS 2 without exemption. It does not contain any of the following substances:

1. Lead
2. Mercury
3. Cadmium
4. Chromium
5. Polybrominated biphenyls (PBB)
6. Polybrominated diphenyl ethers (PBDE) including decabromodiphenyl ether
7. Bis (2-ethylhexyl) phthalate (DEHP)
8. Butyl benzyl phthalate (BBP)
9. Dibutyl phthalate (DBP)
10. Diisobutyl phthalate (DIBP)

**Registration, Evaluation and Authorization of Chemicals (REACH)**

This product complies with the current SVHC list updated June 2016.

**Training appropriate for workers**

Read the instructions in this SDS.

**Manufacturer**

T & T Marketing, Inc.  
640 N 13<sup>th</sup> Street  
Easton, PA 18042  
USA