

Section 1.	Product and Company Identification
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Product Name:	Black TPO		
Trade Name:	BK TPO		
Recommended Use:	Compounded Resin for Injection Moulding, Extrusion or other Conversion Processes to create Plastic Items		
Restrictions on Use:	Any/All FDA applications		
Manufacturer:	Canuck Compounders Inc.	Emergency No:	Chemtrec
	180 Sheldon Drive	(Canada and USA)	1-800-424-9300
	Cambridge, ON N1R 6V1	Emergency No:	Chemtrec
	Website: www.canuckcompounders.com	(Mexico)	01-800-681-9531
		SDS	00001

Section 2.	Hazard Identification
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GHS Product Classification:	Not classified		
GHS Label Elements:	Not applicable		
Other Hazards:	Not applicable		

Section 3.	Composition/Information on Ingredients		
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Chemical Name	CAS - No.	Weight %
Proprietary Blend of Polyolefinic Polymers*	Mixture	60.0 -80.0
Carbon Black (Encapsulated)	1333-86-4	< 3.00
Stabilizers (Trade Secret)*	n/a	< 2.00
UV Stabilizers (Trade Secret)*	n/a	< 1.00
Fillers (Trade Secret)*	n/a	< 20.0

* Components marked with an asterisk are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Section 4.	First Aid Measures
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General Advice:	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.
Inhalation:	Dust and process vapors may be irritating to the nose, throat and respiratory tract. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get Medical attention.
Skin Contact:	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 as this will remove the skin. Obtain immediate emergency medical attention if burn is deep or extensive.
Eyes:	Dust, fines and process vapors may irritate the eyes. Immediately flush eyes with water for at least 15 minutes. Get medical attention. In case of eye contact with molten polymer: Continuously flush eye(s) with cool running water for at least 15 minutes. Beyond flushing, DO NOT attempt to remove the material adherent to the eye(s). Immediately seek medical attention.
Ingestion:	No adverse health effects expected from ingestion.

Section 5.	Fire Fighting Measures
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Suitable Extinguishing Methods:	Dry Chemical, Water Spray, Foam, Carbon Dioxide. Avoid using direct streams of water on molten burning material
Unsuitable Extinguishing Methods:	None known
Hazards During Fire-fighting:	Carbon monoxide, carbon dioxide, original monomer other hydrocarbon oxidation products, unburned hydrocarbons (smoke).

Protective Equipment:	Wear self-contained breathing apparatus and protective suit.
Further Information:	<p>Combustible particulate solid, will decompose under fire conditions. Fight fire from safe distance with hose lines or monitor nozzles. Heat from fire may melt, decompose polymer, and generate flammable vapors. Move containers from fire area if it can be done without risk. Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container. Always stay away from tanks engulfed in fire. Do not attempt to get on top of storage containers involved in fire. Cool storage containers with large volumes of water even after fire is out.</p>

Section 6. Accidental Release Measures

Personal Precautions:	Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective equipment (PPE) Avoid generating dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system. Discharge into the environment must be avoided.
Methods for Containment and Clean Up:	<p>On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.</p>

Section 7. Handling and Storage

- Material is in a pellet Form.**
1. Keep away from sparks, heat and flame.
 2. Store in a dry location.
 3. This product may react with strong oxidizing agents and should not be stored near such materials.
 4. Store boxes and bags of material in areas protected with automatic sprinklers. Use proper grounding procedures.
 5. Inspect handling system regularly for possible accumulation of fines. Fines can present an explosive hazard when exposed to heat, sparks and open flames.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

1. Effects of Acute Exposures:	None determined	
2. Effects of Chronic Over Exposure:	None determined	
3. OSHA Permissible Exposure Limits:	5 mg/m ³ respirable dust	15 mg/m ³ total dust

4. Carcinogen Potential:

- National Toxicology Program: Not listed
- I.A.R.C. Monograph: Not listed
- OSHA: Not listed

Engineering Controls

For Molten Materials:	Provide mechanical ventilation; in general such ventilation should be provided at compounding/converting areas and at fabricating/ filling work stations where the
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material is heated. Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material.

For Solid Materials: Engineering controls, i.e. enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls such as local exhaust ventilation should be used.
Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area.

Personal Protective Equipment (PPE)

Skin: Wear gloves when handling the material.

Ventilation: Adequate ventilation is recommended to minimize accumulation of fines or vapors during processing and handling.

Respiratory: Where exposure to nuisance dust may exceed acceptable levels, use NIOSH/MSHA approved respiratory protection equipment.

Eyes and Face: Wear safety glasses, face shield or chemical goggles to avoid getting material in the eyes during bulk handling. Eyewash fountains and safety showers should be easily accessible.

Protective Clothing: When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over skin to prevent contact.

Other Measures: Follow normal personal hygiene and good housekeeping practices.

Section 9. Physical and Chemical Properties

Appearance: Pellets

Colour: Black

Odor: Slight to none

pH: Not applicable

Melting Point: 70 to 150 °C

Boiling Point: Not applicable

Vapor pressure: Not applicable

Density: > 1 g/cm³

Water Solubility: Insoluble

Flash Point: >343 °C

Auto-Ignition Temperature: >343 °C (approximate)

Upper Explosive Limit: Not applicable

Lower Explosive Limit: Polymer dust varies according to particle size distribution.

Evaporation Rate: Not applicable

Decomposition temperature: >315 °C

Viscosity: Not applicable

Flammability (solid,gas): Polymer will burn but will not easily ignite.

Oxidizing properties: Not considered an oxidizing agent.

Section 10. Stability and Reactivity

Reactivity: Strong oxidizing agents

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. May react with free halogens.

Conditions to Avoid:	Avoid heating above recommended processing temperature. DO NOT heat without adequate ventilation. Avoid storage or contact with strong oxidizing agents.
Incompatible Materials:	This material is Stable.
Hazardous Decomposition Products:	Not expected to decompose under normal conditions
Thermal Decomposition:	Carbon monoxide, olefinic & paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.

Section 11. Toxicological Information

Irritating Effects

Eye Irritation :	Solid particles may cause transient irritation from mechanical abrasion.
Skin Irritation:	Not expected to cause skin irritation. Molten material may cause thermal burns.
Inhalation:	Not a likely route of exposure. Process fumes may cause irritation.
Ingestion:	May cause a choking hazard if swallowed.

Carcinogenic Effect

Carbon Black:	Contains component listed by IARC as possibly carcinogenic to humans. This material is encapsulated in a thermoplastic resin with limited release under normal conditions of use, transportation, and storage.
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Section 12. Ecological Information

Eco-toxicity:	Toxicity to fish - No relevant studies identified.
Persistence and Degradability:	This material is not expected to be readily biodegradable.
Bio-accumulate Potential:	Product is not likely to accumulate in biological organisms.
Mobility in Soil:	This product has not been found to migrate through soils.
Other Adverse Effects:	This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Section 13. Disposal Considerations

Product: All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. Recycle if possible.
Disposal must be done in accordance with Local, Provincial/State or Federal Regulations.

Section 14. Transportation Information

UN Number:	Not relevant
UN Proper Shipping Name:	Not relevant
Transportation Hazard Class(es)	
DOT:	Not regulated/classified
ADR / RID:	Not regulated/classified
IMDG:	Not regulated/classified
ICAO/IATA:	Not regulated/classified
HS-code (Customs Tariff code):	3902.90.10.00 Thermoplastic Olefin (TPO)
Packing Group:	Not applicable
Environmental Hazards:	Not relevant
Transportation in Bulk (Annex II of MARPOL 73/78 and IBC Code):	Not relevant
Special Precautions for User:	No special precautions



Black TPO

SAFETY DATA SHEET (SDS)

Section 15.	Regulatory Information
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This Material is not Hazardous by OSHA Hazardous Communication Standard 29 CFR 1910.1200

This Material is RoHS Compliant (Directive 2002/95/EC)

This product does not fall within WHMIS classification criteria.

Canadian Environmental Protection Act (CEPA) All substances in this product are listed on the Canadian Domestic Substances List (DSL)

Section 16.	Other Information
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No additional information.

Disclaimer of Liability

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

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