

THRUFLOW HDPE

Product: 001
Revision Date: 2004/07/12

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Manufacturer: Thruflow
1239 Dufferin Avenue
Suite B
Wallaceburg, Ontario
tel: 519-627-7428
1-88-THRUFLOW (888-478-3569).

Manufacturer emergency phone number: 519-627-7428.

Supplier: Same as manufacturer.

TDG classification: Not regulated.

WHMIS classification: Not controlled.

DSL status: Appears or exempt from the DSL.

Supplier MSDS date: 2004/07/12

Section 2: INGREDIENT COMPOSITION

C.A.S.	CONCENTRATION %	Ingredient Name	TLV	LD50	LC50
13463-67-7	0.1 – 1.0	TITANIUM DIOXIDE	10 MG/M3	NOT AVAILABLE	NOT AVAILABLE
7440-02-0	< 0.03	NICKEL	1.5 MG(NI)/M3	NOT AVAILABLE	NOT AVAILABLE
	60 – 100	POLYETHYLENE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 3: PHYSICAL DATA

Physical state: Solid

Appearance & odor: Odourless.
Various Colors:
Maple, SeaFoam or Light Grey.
4'x1' or 3'x1' Deck panels.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not applicable.

Vapour density (air=1): Not applicable.

Volatiles (%)

By volume: Not applicable.

Evaporation rate (butyl acetate = 1): Not applicable.

Boiling point (°C): Not applicable.

Freezing point (°C): Not applicable.

pH: Not applicable.

Specific gravity @ 20 °C: (major component).
0.91 – 0.97

Solubility in water (%): Insoluble.

Coefficient of water\oil dist.: Not available.

Melting point (°C): (major component).
129 – 137.5°C

VOC: Not applicable.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: At temperatures at or above flash point.

Extinguishing media: Water spray.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water spray to cool fire exposed containers.

Auto-ignition temperature: (estimation).
(major component).
343°C

Flash point (°C), method: (estimated).
(major component).
343°C ASTM E136

Lower flammability limit (% vol): Not available.

Upper flammability limit (% vol): Not available.

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Carbon monoxide (CO).
Smoke
Hydrocarbons.
Irritating fumes.
Toxic gases.
Flammable gases and vapours.

Explosive power: Airborne dust may explode if ignited.

Section 5: REACTIVITY DATA

Chemical stability: Product is stable.

Conditions of instability: None known.

Hazardous polymerization: Will not occur.

Incompatible substances: Strong oxidizers.
Fluorine (F2).

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: Dust may cause mechanical irritation.

Skin contact: May cause burns when used hot.
Dust may cause mechanical irritation.

Inhalation: Elevated temperatures or mechanical action may form high vapor concentrations.
Negligible hazard at ambient temperatures.
May cause irritation of the nose, throat and lungs.

Ingestion: Low toxicity.

Effects of chronic exposure: No effects known.

LD50 of product, species & route: Not available.

LC50 of product, species & route: Not available.

Exposure limit of material: 10 mg/m³ for inhalable particulate (total dust).
3 mg/m³ respirable particulate (total dust).

Sensitization to product: Not available.

Carcinogenic effects: Not available.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type: Neoprene or rubber gloves.
Heat resistant gloves (if necessary).

Respiratory/Type: None required under normal use.

Eye/Type: Safety glasses with side-shields.
Wear a face shield if heated.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: General mechanical ventilation.
Local exhaust ventilation.

Leak/Spill: No special procedures.

Waste disposal: In accordance with municipal, provincial and federal regulations.

- Handling procedures and equipment:** Handle and open container with care.
Wash thoroughly after handling.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Wear suitable protective clothing.
Practice good housekeeping.
Avoid generating or breathing dust.
Keep away from sparks and open flame.
- Storage requirements:** Store away from incompatible materials.
Keep containers closed when not in use.
Keep away from heat, and ignition sources.

Section 8: FIRST AID MEASURES

- Skin contact:** If thermal burns occur, flush skin immediately with large volumes of cool water for 15 minutes. Carefully remove clothing. If clothing is stuck to a burn area, do not pull it off but cut around it. Cover burn area with a clean material. Obtain immediate medical attention.
Not applicable for material as supplied at room temperature.
- Eye contact:** If material is a solid piece, remove as one would any foreign object.
- Inhalation:** Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
- Ingestion:** No first aid should be needed.
If irritation occurs, consult a physician.
- Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

- General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.
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