

Description:

**Plastic Encapsulated Manhole Steps
(Including Mouldings)**

1.0 Chemical Product

Product Name: Polypropylene Impact Copolymer

2.0 Hazards Identification

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under EU criteria.

Potential Health Effects: No health hazards identified. Molten material causes severe thermal burns.

Ingestion: No significant health hazards identified.

**3.0 Composition/
Information on Ingredients**

Component	CAS#	Range % by Wt.
Polypropylene Copolymer	9010-79-1	>99

4.0 First Aid Measures

Skin: For thermal burns, cool quickly with water and seek medical attention. Do not peel off solidified material.

Ingestion: If a large amount is swallowed, get medical attention.

5.0 Fire Fighting Measures

Extinguishing Media: Agents approved for class A hazards (e.g. foam, steam or water fog).

Fire-Fighting Equipment: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

Hazardous Combustion Products: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

6.0 Accidental Release Measures

Personal Precautions: Avoid tripping or slipping on mouldings.

Environmental Precautions: Do not heat above melting point.

Spill Clean-up Methods: Return to a suitable container. Review sections 5, 7 and 8 before proceeding.

7.0 Handling & Storing

Handling and Storage: No special requirements.

**8.0 Exposure Controls/
Personal Protection**

Eye: None required; however, use of eye protection is good industrial practice.

Skin: None required; however, use of protective gloves/clothing is good industrial practice.

Inhalation: None required; however, use of adequate ventilation is good industrial practice.

9.0 Chemical & Physical Properties	<p>Appearance & Odour: Smooth plastic moulding</p> <p>Flashpoint: Greater than 500°F (260°C)</p> <p>Auto ignition Temperature: 735°F (390°C)</p> <p>Melting Point: 257-330°F (125-165°C)</p> <p>Solubility in Water: Negligible, below 0.1%</p> <p>Specific Gravity (Water=1): 0.9</p>										
10.0 Stability & Reactivity	<p>Stability: Stable</p> <p>Conditions to Avoid: None identified.</p> <p>Materials to Avoid: Avoid chlorine, fluorine, and other strong oxidizers.</p> <p>Hazardous Decomposition: The major decomposition products are low molecular weight oligomers (C6-18) of polypropylene. Degradation products may include trace amounts of acrolein, formaldehyde, aldehydes, and other organic vapours.</p> <p>Hazardous Polymerization: Will not occur.</p>										
11.0 Toxicological Information	<p>No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or IARC.</p>										
12.0 Ecological Information	<p>Not evaluated.</p>										
13.0 Disposal Information	<p>Enclosed-controlled incineration is recommended unless directed by applicable ordinances.</p>										
14.0 Transportation Information	<table><tr><td>Sea (IMO/IMDG):</td><td>Shipping Name: Not regulated.</td></tr><tr><td>Air (ICAO/IATA):</td><td>Shipping Name: Not regulated.</td></tr><tr><td>European Road/Rail (ADR/RID):</td><td>Shipping Name: Not regulated.</td></tr><tr><td>U.S. Dept of Transportation:</td><td>Shipping Name: Not regulated.</td></tr><tr><td>Canadian Transportation of Dangerous Goods:</td><td>Shipping Name: Not regulated.</td></tr></table>	Sea (IMO/IMDG):	Shipping Name: Not regulated.	Air (ICAO/IATA):	Shipping Name: Not regulated.	European Road/Rail (ADR/RID):	Shipping Name: Not regulated.	U.S. Dept of Transportation:	Shipping Name: Not regulated.	Canadian Transportation of Dangerous Goods:	Shipping Name: Not regulated.
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15.0 Regulatory Information

Product Classification: None
Danger/Hazard Symbol: None required
Risk Phrases: None required
Safety Phrases: None required

Occupational Exposure Limits:

Component	CAS#	Exposure Limits
Polypropylene	9010-79-1	ACGIH TLV-TWA: 10 mg/m3 (total dust)
Copolymer		(particulate NOC) U.K. OES(TWA)10 mg/m3 (nuisance dust) FRG MAK: 6 mg/m3 (nuisance dust)

EC Inventory (EINECS/ELINCS): In Compliance.

Japan Inventory (MITI): Listed on inventory.

Australia Inventory (AICS): Listed on inventory.

U.S. Inventory (TSCA): Listed on inventory.

Korea Inventory (ECL): Listed on inventory.

Canada Inventory (DSL): All of the components of this product are listed on the DSL

16.0 Other Information

This product, to the best of our knowledge, does not contain and is not manufactured with any Class I or Class II Ozone Depleting Chemicals.

NOTICE:

The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.