

MATERIAL SAFETY DATA SHEET

Current Issue: 11th August 2015

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to Safework Australia criteria

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Product Name: Iplex Polypropylene (PP) Pipes and Fittings for non-pressure stormwater and sewerage applications.

Other Names: BlackMax, SewerMax

Use: For residential, commercial, infrastructure, farm and industrial applications including sewage and stormwater.

CAS RN No (s) None

Packaging Group: None

Dangerous Goods Class None

Subsidiary Risk: None

Hazchem Code: None

Poisons Schedule Number: None

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE

Extruded polypropylene (PP) twin wall corrugated pipe, diameters from DN150 to DN600 in various lengths and fabricated fittings made from extruded polypropylene pipe. Also injection moulded polypropylene fittings in the diameter range DN 32 – DN50.

Insoluble in water, No odour, Boiling Point (deg C): Not available.

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PROPERTIES

Melting Point (deg C):	130 – 170 °C
Vapour Pressure (kPa):	Not applicable
Specific Gravity:	0.9 – 1.0
Flash Point (deg C):	Non allocated
Lower Explosive Limit (%):	Not applicable
Upper Explosive Limit (%):	Not applicable
Solubility in Water (g/L):	Insoluble

INGREDIENTS

Name	CAS #	Proportion
Polypropylene copolymer	9010-79-1	94 – 97%
Pigments		
Black: Non hazardous polymer pigment blend		5%
Grey: Non hazardous polymer pigment blend		2-4%
Yellow: Non hazardous polymer pigment blend		2-4%

No other ingredient information supplied.

HAZARDS IDENTIFICATION

Emergency Overview: Caution! Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

POTENTIAL HEALTH EFFECTS

Eye: No significant health hazards identified. Dust particles maybe generated during cutting that may cause irritation to the eyes.

Skin: No significant health hazards identified. Particles or fibres may cause slight discomfort similar to rubbing sand against the skin. Heated material can cause thermal burns.

Inhalation: No significant irritation expected other than possible mechanical irritation.

Ingestion: No significant health hazards identified.

FIRST AID

Eye: Flush eyes with plenty of water. Get medical attention if irritation persists.

Skin: Wash off dust on exposed skin with soap and water. Get medical attention if irritation develops. For thermal burns, cool quickly with water and seek medical attention. Do not peel off solidified material.

Inhalation: If adverse effects occur, remove to uncontaminated area. Get medical attention.

Ingestion: Overexposure is unlikely in the form supplied.

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FIRE FIGHTING MEASURES

Flashpoint:	Greater than 500°F (260°C)
UEL:	Not determined.
LEL:	Not determined.
Auto Ignition Temperature:	735°F (390°C)
Flammability Classification:	None
Extinguishing Media:	Agents approved for Class A hazards (e.g., foam, steam) or water fog. High dust concentrations have a potential for combustion or explosion. High-voltage static electricity build-up and discharge must be avoided when significant quantities of dust are present.
Unusual Fire and Explosion Hazards:	Fire fighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.
Fire-Fighting Equipment:	Take precautionary measures against static discharges, including thorough electrical interconnecting, grounding of equipment, and conveyance, under inert gas.
Precautions:	
Hazardous Combustion Products:	Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

ACCIDENTAL RELEASE MEASURES

Vacuum or sweep out; avoid producing dust. Increase ventilation if possible.

HANDLING AND STORAGE

Handling: Material is slippery under foot. Minimize dust generation and accumulation. Take appropriate measures to prevent static discharges, which may include thorough electrical interconnecting, grounding of equipment, and/or conveyance under inert gas.

Storage: No special requirements.

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: Use with adequate ventilation. If general ventilation is inadequate, local exhaust ventilation should be used to dispose of vapours from hot processing equipment, particularly during purging. Do not breathe dust. If ventilation is inadequate, use respirator that will protect against dust/mist. If heated and ventilation is inadequate, use respirator which will protect against organic vapour and dust/mist.

Engineering Controls: Control airborne concentrations below the exposure guidelines.

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Exposure Guidelines

Component	CAS#	Exposure Limits
Polypropylene	9003-07-0	ACGIH TLV-TWA: 10 mg/m ³ (total/nuisance dust)
Calcium carbonate	1317-65-3	ACGIH TLV-TWA: 10 mg/m ³ (total dust)

CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odour:	Translucent/Opaque Pellets.
pH:	Not determined.
Vapour Pressure:	Not determined.
Vapour Density:	Not determined.
Boiling Point:	Not determined.
Melting Point:	257-330°F(125-165°C)
Solubility in Water:	Negligible, below 0.1%.
Specific Gravity (Water=1):	0.93

STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: None identified.

Materials to Avoid: Avoid chlorine, fluorine, and other strong oxidizers.

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.

Hazardous Polymerization: Will not occur.

TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Eye Irritation: Testing not conducted. See Other Toxicity Data.

Skin Irritation: Testing not conducted. See Other Toxicity Data.

Dermal Ld50: Testing not conducted. See Other Toxicity Data.

Oral Ld50: Testing not conducted. See Other Toxicity Data.

Inhalation Lc50: Testing not conducted. See Other Toxicity Data.

Other Toxicity Data: Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

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Dense dust generated by the handling and/or processing of this material may be irritating to the eyes, skin, nose, and throat.

No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or IARC.

ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations.

TRANSPORTATION INFORMATION

HAZCHEM:

None (ADG6)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

REGULATORY INFORMATION

POISONS SCHEDULE

None

OTHER INFORMATION

The MSDS is a Hazard Communication tool and should be used to assist in the Risk Management. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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 name of the product.

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