

Date of Issue: 21/01/2016

Marley Polyethylene Pipe

MARLEY AUCKLAND
32 MAHIA ROAD, PRIVATE BAG 802
MANUREWA, AUCKLAND

MARLEY CHRISTCHURCH
129 SHANDS ROAD, PO BOX 16233
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T 0800 MARLEY (627 539)
E info@marley.co.nz
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Section 1: Identification of Product and Supplier**Product Name**

Trade Names: Drainflo®, Enduroflex®, Marley 950 Series®, Oasis®, Com Duct, Sub Duct

Product Use

Water supply, irrigation, sewerage, drainage, telecommunications and electrical conduit

Supplier

Marley New Zealand
Auckland Head Office
32 Mahia Road, Private Bag 802
Manurewa, Auckland
Telephone Number +64 9 279 2799
Facsimile Number +64 9 279 2798

Emergency

Technical Manager, +64 9 279 2799

Section 2: Hazards Identification**Statement of Hazardous Nature**

NON-HAZARDOUS PRODUCT NON-DANGEROUS GOODS

According to NOHSC criteria and ADG Code

Poisons Schedule

Not listed.

Hazard Statements

None required.

Precautionary Statements

None required.

Other Hazards

Refer to Section 7 Handling and Storage for general precautions for use.

Section 3: Composition/Information on Ingredients**Composition and Form**

Manufactured rigid solid tubes of various dimensions for plumbing and water distribution as described in Section 1.

Chemical Composition**CAS Number Chemical Name/s Proportion**

9002-88-4	Polyethylene	96 – 99.5%
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Pigments

1333-86-4	Black – carbon black	0 – 3%
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	Other pigments	0 – 1%
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Section 4: First-Aid Measures

Swallowed

There are no known health effects for the ingestion of polyethylene. Ingestion is unlikely to occur due to the physical size and dimensions of the products. However, small particles may be generated by sawing or mechanically breaking the products or similar means.

Eye

Inapplicable to the solid product except for mechanical injury. Dust/small particles from sawing or other mechanical process may affect eyes if not protected. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the eyes. Flush with copious quantities of water and treat symptomatically.

Skin

Inapplicable to the solid product except for mechanical injury.

Dust/small particles from sawing or other mechanical process may affect eyes if not protected. There have not been reports of Irritation arising from such dust and small particles.

Molten material will adhere to the skin and cause burns.

Flush with copious quantities of water and see a doctor for prompt removal of the adhering material and treatment of the burn. Do not remove material or clothing from the skin.

As removal may exacerbate the injury.

Inhaled

Inapplicable to the solid product due to the physical size and dimensions of the products. For inhalation of fumes and gaseous by-products (carbon monoxide, carbon dioxide, etc), remove the patient immediately from exposure and seek medical advice.

Notes to Physician

Treat symptomatically.

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Section 5: Fire-fighting Measures

Extinguishing Media

Water, water-fog or foam to extinguish fire. Carbon dioxide or dry chemical are suitable but are considered not as efficient due to lack of cooling capacity.

Fire Fighting

Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion.

Fire/Explosion Hazard

Combustible and will support combustion. Products of combustion are carbon dioxide (asphyxiant), carbon monoxide (toxic) and low levels of aldehydes and acetic acid. All are potentially lethal in sustained exposure.

Fire Incompatibility

Oxidising agents.

HAZCHEM Code

Does not meet the criteria for classification.

Personal Protection

Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion and appropriate gloves and footwear.

Section 6: Accidental Release Measures

Minor Spills

Collect products and bundle or secure safely. If necessary, isolate area to prevent damage to/destruction of products by vehicles etc. Broken parts may be sharp and eye protection and gloves are recommended.

Major Spills

Isolate area as necessary to prevent further damage. Collect products and bundle or secure safely.

Broken product and parts may have sharp edges and eye protection and gloves are recommended.

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Section 7: Handling and Storage

Procedure for Handling

Coils of pipe may have substantial elastic energy. When cutting bands, exercise caution to ensure that springing of the pipe, particularly at the ends, cannot cause injury. Injury can be sustained by rolling of pipes. Unpack crates and bundles on a flat surface and ensure that free stacks are adequately chocked. Do not climb on stacks.

Normal safe practices should be employed when working with the material; a well ventilated area and the use of eye and protection, dust masks and gloves are recommended when sawing, grinding (with abrasive wheel) and handling. When heating for bending or other forming, use hot water or air with appropriate safeguards. Use of an open flame is inadvisable.

Storage

Store in appropriate areas (outside or in warehouse) in accordance with site safety requirements.

Do not store with oxidising agents.

Section 8: Exposure Controls / Personal Protection

Exposure Controls

No exposure controls are necessary as products are inert and all additives are encapsulated within the polymer matrix and present no hazard under conditions of normal use and good occupational work practice.

Personal Protection

Eye

Glasses are recommended in case of accidental knock when handling pipe and especially when working pipes mechanically, sawing etc.

Hands/Feet

Safety footwear and gloves.

Other

Engineering Controls

Appropriate controls for safe working when handling and mechanically working e.g. sawing.

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Section 9: Physical and Chemical Properties

Appearance

Plastic pipes or tubes, 15 mm to 630 mm in diameter, in coils up or straight lengths up to 12 metres.

Colour Solid, jacketed or stripped with black, blue, orange, green, red, lilac, yellow or other colours.

Odour Nil

pH Nil effect, insoluble

Melting point 107 -130°C.

Initial boiling point and range Not applicable

Flash point Not applicable

Evaporation rate Not applicable

Flammability Will burn in contact with flame

Upper/lower flammability Not applicable

Vapour pressure Not applicable

Vapour density Not applicable

Relative density 0.93 – 0.98

Solubility Insoluble in water

Partition coefficient: Not applicable octanol/water

Auto-ignition temperature Not applicable

Decomposition temperature 300°C

Viscosity Not applicable

Section 10: Chemical Stability and Reactivity

Stable under normal conditions of storage and use.

Incompatible materials

Do not store with oxidising agents.

Hazardous decomposition products

Product will start to decompose if maintained at temperatures of 300°C.

Decomposition products are carbon dioxide, carbon monoxides and low levels of aldehydes and acetic acid.

Section 11: Toxicological Information

LD₅₀ value Not applicable

The products are inert and insoluble and consist of a fused polymer matrix which also encapsulates all additives.

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Section 12: Ecological Information

Ecotoxicity

No adverse effects on environment have been reported. The product can be physically removed from waterways by means appropriate to the size article. It is recommended that local environmental agencies are notified.

Section 13: Disposal Considerations

Recycle where possible.

Refer to state/territory environmental protection agency/ authority. Normally suitable for disposal as general waste land fill.

Section 14: Transport Information

Land Transport (Road/Rail)

Not classified as a dangerous goods.

Marine Transport

Not classified as a dangerous goods.

Air Transport

Not classified as a dangerous goods.

Section 15: Regulatory Information

There is no safety, health or environmental regulations specific for these products.

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department Issuing MSDS: Technical Services, Auckland