

MATERIAL SAFETY DATA SHEET

Cross Linked Polyethylene Foam Sheet

Issue date: 11/06/2019

SECTION 1 –IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME:

Cross Linked Polyethylene Foam Sheet

GRADE:

RM4040 (Colour Mat)

MANUFACTURER NAME:

POLYON INTERNATIONAL PTY LTD.

ADDRESS:

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SECTION 2 –HAZARD IDENTIFICATION SUMMARY

- Appearance: Natural
- Target Organs: None
- Potential Health Effects: The Product is not classified as a dangerous preparation. However, inhalation of dust may irritate the respiratory tract.

SECTION 3 –COMPOSITION, INFORMATION OF INGREDIENTS

CHEMICAL NAME	CONTENTS (WEIGHTED %)	CAS NO.
LINER LOW DENSITY POLYETHYLENE	98.0 – 98.5	25087-34-7
VINYLTRIMETHOXYSILANE	1.1 – 1.6	2768-0207
DICUMYL PEROXIDE	0.1	80-43-3
DIBUTYLTIN DILAURATE	0.1	77-58-7
ANTIOXIDANT(TETRAKIS)	0.2	6693-19-8

SECTION 4 –FIRST-AID MEASURES

No specific instruction needed.

SECTION 5 –FIRE-FIGHTING MEASURES

- **General Information:** As in any fire, wear a self-contained breathing apparatus in pressure in pressure-demand and full protective gear during a fire, irritating and highly toxic gases maybe generated by thermal decomposition or combustion
- **Extinguish Media:** In Case of fire, use water, dry chemical, chemical foam or carbon dioxide
- **Auto ignition temperature:** N/A
- **Flash Point:** 250°C / 484.6°F
- **NFPA rating:** N/A
- **Explosion Limit lower:** N/A
Explosion Limit upper: N/A

SECTION 6 –ACCIDENTAL RELEASE MEASURES

Suck or sweep up spill. All spill of granules must be removed immediately to prevent slipping accidents.

SECTION 7 –HANDING AND STORAGE

- During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released. Provide adequate ventilation. Local exhaust ventilation maybe necessary.
- Avoid inhalation of dust and decomposition fumes.
- Dust from the product gives a potential risk for dust explosion. All equipment shall be grounded. No other specific storage requirements.

SECTION 8 –EXPOSURE CONTROLS, PERSONAL PROTECTION

Provide adequate ventilation. Local exhaust ventilation may be necessary.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- **PHYSICAL STATE:** N/A
- **APPEARANCE:** Natural white
- **ODOR:** None reported
- **PH:** N/A
- **VAPOR PRESSURE:** N/A
- **VAPOR DENSITY:** N/A
- **EVAPORATION RATE:** N/A
- **VISCOSITY:** N/A
- **MELTING POINT:** 105 – 140 deg
- **BOILING POINT:** N/A
- **IGNITION TEMPERATURE:** 300 deg
- **SOLUBILITY:** Insoluble in water
- **SPECIFIC GRAVITY/DENSITY:** 0.910 – 0.930
- **MOLECULAR FORMULA:** N/A
- **MOLECULAR WEIGHT:** N/A

SECTION 10 – STABILITY AND REACTIVITY

The product is a stable thermoplastic with no chemical reactivity

SECTION 11 – TOXICOLOGICAL INFORMATION

The product is not classified as a dangerous preparation according to directive 1999/45/EC. Contains an organic tin compound that is dangerous, but the concentration is far below the classification limit. However, inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract. Exposure to the organic tin compound is not likely as it is embedded in a solid polymer.

SECTION 12 – ECOLOGICAL INFORMATION

The product is not classified as a dangerous for the environment. Contains a stabilizer that is dangerous for the environment, but the concentration is far below the classification limit.

SECTION 13 – DISPOSAL CONSIDERATIONS

Reuse or recycle if not contaminated. The product may be safely used as fuel or land filled. Proper combustion does not require any special flue gas control.

SECTION 14 – TRANSPORT INFORMATION

The product is not regulated by ADR/RID, IMDG or LATA

SECTION 15 – OTHER INFORMATION

REVISED DATE: 11 June, 2019
REFERENCE: None
ISSUED BY: Polyon International Pty. Ltd.

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