

MATERIAL SAFETY DATA SHEET

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Poly Foam Laminated with FOIL

Issue date: 15/Jan/2021

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME:

PO2 Foil

SUPPLIER NAME:

POLYCELL INTERNATIONAL PTY LTD.

ADDRESS:

32 Eurora Steet, Kingston
QLD 4114 Australia

EMERGENCY NUMBER:

+61 7 3290 2244

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RECOMMENDED USE

Food and pharmaceutical items' thermal insulation during transportation

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

HAZARD CLASSICATION:

Not classified as dangerous substance

PHYSICAL HAZARDS:

Thermal decomposition products irritating to respiratory system.
Itself is non-toxic

ENVIRONMENTAL HAZARDS:

May hazard environment

OTHER HAZARDS:

No significant hazard in normal industrial use conditions. Contact with melted/heated product may cause thermal burns.

SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS NUMBER
POLYETHYLENE	82%	9002-88-4
MET PET (FOIL PE)	18%	25138-63-9

SECTION 4 - FIRST AID MEASURES

INHALATION:

Remove victim to fresh air. Keep the respiratory tract clear. Get medical aid.

INGESTION:

Seek medical help.

SKIN:

Molten material will adhere to skin and cause burns. Cool material quickly with water and seek medical help.

EYE:

Flush with water to remove. For contact with molten material treat as for skin burns.

NOTE TO PHYSICIAN:

No specific antidote, treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

DANGER CHARACTERISTIC:

Combustible

DECOMPOSITION TEMPERATURE:

>250°C

HARMFUL COMBUSTION PRODUCTS:

CO, CO₂

EXTINGUISHING MEDIA:

Use foam, dry chemical, or water spray.

FIRE FIGHTING EQUIPMENT:

Self-contained breathing apparatus with full face piece.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL & DISPOSAL:

- Dampen down to prevent spread by wind.
- Shovel or sweep up material and dispose or recycle.
- Disposal of recovered material should conform to local regulations

SECTION 7 - HANDLING AND STORAGE

HANDLING:

- Keep the reach out of children.
- Do not put the material in your head to prevent from suffocating

STORAGE:

- Keep in closed container when not in use.
- Keep away from fire, heat sources, moist.
- Store in a well ventilated dry place away from heat.
- Keep away from oxidizing agents
- Equip with relevant types and quantities of the extinguishment instruments and devices for divulgence handling

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS:

No Exposure Limit Established

PERSONAL PROTECTIVE EQUIPMENT:

Wear protective clothes, rubber gloves.

ENGINEERING CONTROLS:

Good general ventilation is required under ordinary conditions of use.

MONITORING METHOD:

None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEREANCE:	Silver reflective foil exterior, clear ivory bubble film interior.
ODOR:	Odorless
MELTING POINT:	100°C
BOILING POINT:	Not applicable
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not applicable
FLAMMABILITY LIMITS:	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
DENSITY:	0.910 – 0.945 g/cm ³
SOLUABILITY:	Insoluble
AUTO-IGNITION TEMPERATURE:	350°C approx.
DECOMPOSITION TEMPERATURE:	>250°C

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY:

Non-reactive

CHEMICAL STABILITY:

Stable under normal conditions, however may decompose if heated.

COMBUSTIBILITY:

Fire can burn and not easy to ignite, after leaving the fire can continue to burn until melting, shrinking into droplets.

CONDITIONS TO AVOID:

Avoid high temperature, fire.

INCOMPATIBLE MATERIALS:

Strong oxidizer, peroxides

HAZARDOUS POLYMERIZATION:

Will not occurs

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION

- Polyethylene has been classified as Group 3 agent.
- Group 3 agent is not classifiable as to its carcinogenicity to humans. Data available is insufficient for assessment to be made. (IARC Monograph Sup.7, P.70, UK 1987)

INGESTION:

May cause choking if swallowed.

SKIN:

Low risk hazard. Thermal burns may result from exposure to hot material.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable Federal, state and local laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

STORAGE AND TRANSPORT:	Not regulated
TRANSPORT HAZARD CLASS:	N/A
UN NUMBER:	N/A
DOT PACKING GROUP:	N/A

SECTION 15 - REGULATORY INFORMATION

REGULATORY INFORMATION:

No specific regulatory requirement

PACKAGING AND LABELING:

No Special requirements

SECTION 16 - OTHER INFORMATION

REVISED DATE:	15 th January, 2021
REFERENCE:	None
ISSUED BY:	Polycell International Pty. Ltd.

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