PolyPacific
PTY LTD
ABN 44 005 728 709

SAFETY DATA SHEET

Date Issued: June 2017
Version: 3

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

PRODUCT NAME:	**ALL CORTON GRADES**
OTHER NAMES:	Mineral Filled Polypropylene Compounds
TRADE NAME:	Corton
RECOMMENDED USE:	Manufacture of plastic articles by injection moulding, extrusion or other conversion process.
SUPPLIER NAME:	PolyPacific Pty Ltd
ADDRESS:	114-126 Dandenong Valley Highway, Dandenong South, Victoria 3175, Australia
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2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF SAFE WORK AUSTRALIA

UN NUMBER, DANGEROUS GOODS CLASS, HAZCHEM CODING AND POISONS SCHEDULES DO NOT APPLY TO THIS MATERIAL.

3. INGREDIENTS

Chemical Name		CAS Number	Proportion
Polypropylene - $(CH_2CH(CH_3)-)_n$		9003-07-0 or 9010-79-1	20 - 90%
Mineral Filler			
Talc (Magnesium Silicate)	and/or	14807966	10 - 70%
Calcium Carbonate ($CaCO_3$)	and/or	471-34-1	10 - 70%
Barium Sulphate ($BaSO_4$)	and/or	7727-43-7	10 - 80%
Mica (Potassium Aluminium Silicate)		12001-26-2	10 - 70%
Various stabilisers and pigments			< 10%

May include trace amounts (ppm) of residual organic peroxide.

4. FIRST AID

EYE:	If irritation occurs, hold eyes open and flood with water for 15 mins. If irritation persists, seek medical attention.
SWALLOWED:	No specific measures are required in case of ingestion of the product. Get medical advice if necessary.
SKIN/BURNS:	Should be cooled with cold water or ice. Do not use ice or cold packs if burned area covers more than 10% of the body as this may contribute to the shock. Leave burned area uncovered. DO NOT TRY TO REMOVE SOLIDIFIED PRODUCT FROM THE SKIN. Seek immediate medical advice.

INHALED:	Treatment not ordinarily required. If a large amount of fumes are inhaled, keep the patient in a well ventilated area. If symptoms persist, seek medical advice.
ADVICE TO DOCTOR:	Pre-existing eye and respiratory complaints may be aggravated by exposure to product fines and fumes at processing temperatures. BURNS - No attempt should be made to remove the solidified product (it acts as a sterile dressing).

5. FIRE FIGHTING MEASURES

FLAMMABILITY:	Combustible substance. Will not burn unless preheated. Take precautions against static electricity discharges. Ensure adequate ventilation. Earth and bond all process equipment. Ensure all process equipment is flameproof.
SUITABLE EXTINGUISHING MEDIA:	Use the following extinguishing media 1) Foam 2) Carbon dioxide 3) Chemical powder 4) Water fog/spray on fires.
HAZARDS FROM COMBUSTION PRODUCTS:	Product generally burns slowly with a low smoke density and flaming drips. Under certain conditions it can burn with a high smoke density. Smoke from burning polypropylene can contain various levels of toxic gases, including carbon dioxide and carbon monoxide, ketones, acroleins, aldehydes and unidentified organic compounds, depending on the amount of oxygen present.
PROTECTIVE EQUIPMENT:	Do not enter confined space without adequate protective clothing. Emergency personnel should wear: 1) Leather boots 2) Helmet and face shield 3) Leather gloves 4) Suitable fire resistant, non-melting protective clothing 5) Self contained breathing apparatus should be used.

6. ACCIDENTAL RELEASE MEASURES

SPILLAGE:	Caution: it is easy to slide and lose footing on granule spillages. Clean up immediately. Shovel and sweep up, or use an industrial vacuum cleaner. Put into containers for reclaiming or disposal. Not biodegradable. Do not allow environmental contamination. For molten product - hose with water and allow to cool. Scoop up solidified material and place in containers for reclaim. Refer to local waste management authority for land fill and incineration guidelines.

7. HANDLING AND STORAGE

HANDLING:	Ground and bond containers when transferring material. Ensure adequate ventilation when used at processing conditions.
STORAGE:	Store away from strong oxidizing agents. Protect from heat and direct sunlight. Store under cool, dry conditions. Minimise accumulation of dust. Take precautions against static electricity discharges. Open flames prohibited.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

No values have been assigned for Corton materials by Safe Work Australia.

Exposure standards for the potential constituents are as follows:

Talc (containing no asbestos fibres):	8 hr TWA = 2.5mg/m^3
Calcium Carbonate:	8 hr TWA = 10mg/m^3
Barium Sulphate:	8 hr TWA = 10mg/m^3
Mica:	8 hr TWA = 2.5mg/m^3
Polypropylene:	No data available.

ENGINEERING CONTROLS:

At room temperature special ventilation is not normally required.

Ventilation should be provided to remove fumes generated during processing. Dust generated in handling granular polypropylene presents no special health hazard, but atmospheric dust levels should nevertheless be minimized and the National Health & Medical Research Councilôs Hygienic Standard of 10 g/m^3 for nuisance dusts, observed.

PERSONAL PROTECTION:

When handling material at room temperature, no special protection is required. If large quantities of dust or fumes are present, then a dust mask or respirator complying with AS1715 or AS1716 should be utilized, as appropriate.

When product is heated during processing, adequate ventilation and/or engineering controls are required. Where molten product is liable or likely to come into contact with the person, the following equipment is required:

1) Full face shield
2) Heat resistant gloves (long gauntlets)
3) Cotton combination overalls with close fit at neck and wrists
4) Leather safety shoes or rubber boots (trousers worn outside)
5) Hard hat.

9. PHYSICAL DESCRIPTION AND PROPERTIES (Typical Figures)

APPEARANCE:	Solid pellets
ODOUR:	Negligible
VAPOUR PRESSURE:	Not Available
VAPOUR DENSITY:	(Air = 1) < 1
BOILING POINT:	Does not boil
MELTING POINT:	165 - 170^{o}C
SOLUBILITY (WATER):	Insoluble
SPECIFIC GRAVITY:	0.96 - 2.20
FLASH POINT:	350^{o}C approximately
EXPLOSION LIMIT:	Not applicable to granules
AUTO-IGNITION:	390^{o}C minimum

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	Avoid contact with strong oxidizing agents, strong alkalines and acids.
INCOMPATIBLE MATERIALS:	Strong oxidation agents.
DECOMPOSITION PRODUCTS:	No hazardous decomposition products known at room temperature. At processing temperatures, some degree of degradation will occur. Although highly dependent on temperature and environmental conditions, a variety of decomposition products may be present, ranging from simple hydrocarbons (such as methane and propane) to toxic/irritating gases (carbon monoxide and dioxide, acrolein, acids, ketones, aldehydes).
HAZARDOUS REACTIONS:	No dangerous reactions known.

11. TOXICOLOGICAL INFORMATION

ACUTE:	At room temperature the product is not an irritant and does not liberate dangerous fumes. In its molten state, the material will have a temperature in excess of 150^{o}C and will cause severe burns. Pre-existing eye and respiratory complaints may be aggravated by exposure to product fines (power) and/or fumes generated at processing temperatures.
SWALLOWED:	The material is considered non-toxic and no specific measures are required in case of ingestion.
EYE:	Product fines may cause mechanical irritation to eyes. Rinse eye with cold running water for several minutes then seek medical advice. Process vapours may irritate eyes, ensure adequate ventilation.
SKIN:	Contact with molten material can cause severe burns.
INHALATION:	Product fines may cause mechanical irritation to the respiratory system. Process vapours could be irritating to the respiratory system.
CHRONIC:	Limited toxicological studies show no signs of toxicity to animals. No data is available for humans.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Not available. Avoid contaminating waterways.
PERSISTENCE AND DEGRADABILITY:	This product is not biodegradable.
MOBILITY:	Variable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

1) Recycle (reprocess)
2) Refer to local waste management authority for land fill and incineration guidelines.

14. TRANSPORT INFORMATION

Corton grades are not defined as Dangerous Goods by the Australian Code of the Transport of Dangerous Goods by Road, Rail, Sea or Air.

INTERNATIONAL AIR TRANSPORTATION ASSOCIATION CLASSIFICATION

This material is not classified as hazardous under IATA regulations.

INTERNATIONAL MARITIME ORGANISATION - IMDG

This material is not classified as hazardous under IMDG regulations.

UN, IMO CODE

This material is not dangerous for conveyance under these codes.

UN NUMBER:	None (non hazardous)
CLASS AND SUBSIDIARY RISK:	None allocated
PACKING GROUP:	None allocated
HAZCHEM CODE:	Not applicable

15. REGULATORY INFORMATION

POISON SCHEDULE:	None allocated
AGRICULTURAL AND VETERINARY CHEMICALS ACT 1988:	Not applicable

16. OTHER INFORMATION