

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Product Name:	Griplox No. 20 Biscuit
Manufacturer:	Joinlox Pty Ltd
Address	2/30 Walker Street Tennyson, QLD 4105 Australia
Manufacturer's Product Code:	Striplox Griplox No.20 Biscuit
Use:	Applied Joining System

2. COMPOSITION AND INGREDIENTS

Material name:	High Impact Polystyrene (general purpose)
Cas #:	9003-53-6
% by weight	99
Exposure limits:	Threshold limit not available
Trade name:	GPPS
Synonym:	Crystal Polystyrene
Chemical family:	Polymer

3. HAZARDS IDENTIFICATION

Physical state and appearance:	Solid. Transparent pellets
Emergency overview	Irritating vapours to respiratory system and eyes may form when polymer is processed at high temperatures. Molten or heated material in skin contact can cause severe burns
Routes of entry for hot material:	Skin contact, eye contact, inhalation

Skin:	No known acute effects of this product resulting from skin contact at room temperature. Heated polymer skin contact can cause serious thermal burns.
Inhalation:	Negligible hazard at room temperature. Nuisance dusts can be irritation to the upper respiratory tract. Irritating vapours may form when the polymer is processed at high temperatures.
Ingestion:	No effects are expected for ingestion of small amounts. May be a choking hazard.
Potential chronic health carcinogenic effects:	Classified none by NTP, none by OSHA
Mutagenic effects:	Not available
Teratogenic effects:	Not available
Medical conditions:	There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.
Overexposure:	Overexposure not available

4. FIRST AID MEASURES

Eye contact	Rinse with water for a few minutes. Seek medical attention if necessary.
Skin contact	No known effect on skin contact, rinse with water for a few minutes. Heated polymer: for serious burns from heated polymer, get medical attention. In case of skin contact, immediately immerse in or flush with clean, cold water.
Inhalation	Allow the victim to rest in a well ventilated area
Ingestion	No first aid procedures are needed – notes to physician not

available.

contaminated water with pellets to enter any waterway, sewer or drain.

5. FIRE FIGHTING MEASURES

Flammability	May be combustible at high temperature
Auto-ignition temperature	427°C
Flash point	Not available
Flammable limits	Not available
Products of combustion	Carbon oxides (CO, CO ₂) and soot
Fire hazards in presence of various materials	No specific information
Fire fighting media	Small fire: use dry chemicals, CO ₂ , water spray or foam. Large fire: use water spray, fog or foam. Don not use water jet.
Protective clothing (fire)	Wear approved self-contained breathing apparatus or equivalent and full protective gear.
Special remarks on fire hazards	Fire may produce irritating gases and dense smoke. Flowing material may produce static discharge, igniting dust accumulations.
Special remarks on explosion hazards	Processing or material handling equipment may generate dust of sufficiently small particle size, that when suspended in air may be explosive

6. ACCIDENTAL RELEASE MEASURES

Small Spill and Leak

Pellets on the floor could present a serious slipping problem. Good housekeeping must be maintained at all times to avoid this hazard.

Large Spill and Leak

Use a shovel to put the material into a convenient waste disposal container. Do not allow any potentially

7. HANDLING AND STORAGE

Handling

Avoid temperatures of 600°F (316°C) or above. Handling of plastic may form nuisance dust. Protect personnel. Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, when suspended in air, may be explosive. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training hazards.

Storage

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. EXPOSURE CONTROLS & PPE

Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
PPE – eyes	Safety glasses
PPE – body	Coveralls
PPE – hands	Thermally insulated gloves required when handling hot material.
PPE – feet	Safety slip proof shoes in areas where spills or leaks can occur
PPE – respiratory	Ventilation is normally required when handling this product at high temperatures. Wear appropriate respirator when ventilation is inadequate.

Consult local authorities for acceptable exposure limits.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state and appearance	Solid. Transparent pellets
pH (1% sol/water)	Not applicable
Boiling/condensation point	Not available
Melting/freezing point	>132°C
Critical temperature	Not available
Specific gravity	1.04
Vapour pressure	Not available
Vapour density	Not available
Volatility	Negligible
Odour threshold	Not available
Evaporation rate	Not available
VOC	0%
Viscosity	Not available
Iconicity (in water)	Not available
Dispersion properties	Not available
Solubility in water	Insoluble in water

10. STABILITY & REACTIVITY

Stability and reactivity	The product is stable. Avoid temperatures of 600°F (316°C) or above
Condition of instability	No additional remark
Incompatibility with various substances	Reactive with strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products are carbon monoxide, carbon dioxide, dense smoke, and various hydrocarbons. Exposure of polystyrene to extremely high temperatures 600°F or higher may cause partial decomposition.
Hazardous polymerization	No

11. TOXICOLOGICAL INFORMATION

Toxicity to animals	LD50: not available LC50: not available
Chronic effects on	Carcinogenic effects:

humans	classified none by NTP, none by OSHA. 3 (not classifiable for human).
Other toxic effects on humans	Not considered to be dangerous for humans according to our database
Special remarks on toxicity to animals	No additional remark
Special remarks on chronic effects on humans	No additional remark
Special remarks on other toxic effects on humans	No additional remark

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
BOD5 and COD	Not available
Biodegradable/OECD	Not available

13. DISPOSAL CONSIDERATIONS

Transfer to an approved disposal area in accordance with federal, state, and local regulations. Consult your local or regional authorities.

14. TRANSPORT INFORMATION

Dot proper shipping name	Not applicable
UN number	Not applicable
Packing group	Not applicable
ADR/RID classification	Not controlled under ADR (Europe)
IMDA	Not controlled under IMDA
IATA	Not controlled under IATA

15. REGULATORY INFORMATION

This product is not a "hazardous chemical" as defined by the OSHA. Specific state and local regulations should be consulted to determine if there are any additional requirements. Clean air act (CAA) 112 regulated toxic substances: no products were found.

WHMIS (Canada)	Not controlled
CEPA DSL	Polystyrene (general purpose)
EINECS	Not available
DSCCL (EEC)	Not controlled
International lists	No products were found

16. CONTACT INFORMATION

Joinlox Pty Ltd, Brisbane Queensland, Australia

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Disclaimer

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