

**1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER**

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

**2. COMPOSITION AND INGREDIENTS**

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

**3. HAZARDS IDENTIFICATION**

<b>Physical state and appearance:</b>	Solid. Transparent pellets
<b>Emergency overview</b>	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
<b>Routes of entry for hot material:</b>	Skin contact, eye contact, inhalation

<b>Skin:</b>	No known acute effects of this product resulting from skin contact at room temperature. Heated polymer skin contact can cause serious thermal burns.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	No effects are expected for ingestion of small amounts. May be a choking hazard.
<b>Potential chronic health carcinogenic effects:</b>	Classified none by NTP, none by OSHA
<b>Mutagenic effects:</b>	Not available
<b>Teratogenic effects:</b>	Not available
<b>Medical conditions:</b>	There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.
<b>Overexposure:</b>	Overexposure not available

**4. FIRST AID MEASURES**

<b>Eye contact</b>	Rinse with water for a few minutes. Seek medical attention if necessary.
<b>Skin contact</b>	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.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area
<b>Ingestion</b>	No first aid procedures are needed – notes to physician not

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

**5. FIRE FIGHTING MEASURES**

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

<b>Engineering controls</b>	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.
<b>PPE – eyes</b>	Safety glasses
<b>PPE – body</b>	Coveralls
<b>PPE – hands</b>	Thermally insulated gloves required when handling hot material.
<b>PPE – feet</b>	Safety slip proof shoes in areas where spills or leaks can occur
<b>PPE – respiratory</b>	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.

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

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