

Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: SANTOPRENE® THERMOPLASTIC RUBBER -
GENERAL PURPOSE GRADE - UV GRADE - HIGH FLOW
GRADE - FOOD GRADE - MEDICAL GRADE - MOLDING
GRADE - 8000 SERIES

Other name(s):

Product series: 101-55 * 101-64 * 101-87 * 111-35 * 111-45 * 121-58 * 121-67 * 121-73 * 121-80 * 121-87 * 121-50M100 * 121-62M100 * 121-75M100 * 123-50 * 171-64 * 201-55 * 201-64 * 201-73 * 201-80 * 201-87 * 203-40 * 203-50 * 211-45 * 271-55 * 271-64 * 271-73 * 271-80 * 271-87 * 273-50 * 281-45 * 281-55 * 8211-35 * 8211-45 * 8211-55 * 8211-65 * 8211-75 * 8271-55 * 9101-75 * 123-40 * 171-55 * 281-45 * 201-64 * 241-73 * 241-80 * 241-87 * 281-64 * 8201-60 * 8201-80 * 8211-35 * 8211-45 * 8211-55 * 8211-65 * 8211-75 * 8271-55 * 9101-75 * 9101-55 * 9101-75 * 9271-65 * 8281-35 * 8281-45 * 181-55 * MBS620-25 * TPE65AN * TPE65AB * TPE45AN * 8291-65TB * 8291-80TB * 8291-85T * 121-65M300 * 121-80M300 * 8221-65M300 * 121-65W233 * 121-79W233 * 121-85M100 * 121-70M330 * 121-80B230 * 121-70B230 * 8261-87 * 591-73W175 * 591-56W175 * 691-65W175 * 191-85PA * 123-40

Recommended Use: Production of rubber products.

Supplier: MARPLEX AUSTRALIA PTY LTD
ABN: 78 004 691 614
Street Address: 221-239 Browns Road
Noble Park, Victoria 3174
Telephone Number: +61 3 9771 4100; Toll free 1800 627 987 (within Australia)
Facsimile: +61 3 9771 4188
Emergency Telephone: 1 800 033 111 (ALL HOURS)

2. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Poisons Schedule: None allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Thermoplastic rubber	-	10-60%	-
Additives (non-hazardous)	-	to 100%	-

4. FIRST AID MEASURES

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4. FIRST AID MEASURES

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact:

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice. If molten material should contact the skin and adhere, cool quickly with running water - do not attempt to remove. Seek immediate medical assistance.

Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice. For contact with the molten material treat as for skin burns.

Ingestion:

Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical assistance.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Combustible solid. On burning will emit toxic fumes, including those of oxides of carbon .

Precautions for fire fighters and special protective equipment:

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Conditions for safe storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

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Precautions for safe handling:

Avoid skin and eye contact and breathing in dust. Thoroughly purge processing equipment with polyolefin polymers, including polypropylene, when using the same equipment to process Santoprene® thermoplastic rubber and acetal resins, halogenated polymers and phenolic resins. Do not mix Santoprene® thermoplastic rubber, acetal resins, halogenated polymers or phenol resins at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Carbon black: 8hr TWA = 3 mg/m³

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.



Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If excessive dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

When handling melt, or where there is a risk of being splashed with molten material: Wear overalls, chemical goggles, face shield, elbow-length impervious gloves, splash apron or equivalent chemical impervious outer garment, and rubber boots.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Pellets
Colour:	Black or Coloured
Odour:	Slightly Rubber - like
Solubility:	Insoluble in water.
Specific Gravity:	0.9 - 1.5
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	>343
Autoignition Temperature (°C):	>371
% Volatile by Volume:	Not available
Solubility in water (g/L):	Not available
Melting Point/Range (°C):	Not available
Decomposition Point (°C):	Not available
pH:	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid:	Avoid dust generation.
Incompatible materials:	Incompatible with strong oxidising agents.
Hazardous decomposition products:	Oxides of carbon.
Hazardous reactions:	Santoprene® thermoplastic rubber reacts with acetal resins at temperatures of 218°C and above, producing decomposition of the acetal resin, and formaldehyde as a decomposition product. Decomposition of halogenated polymers and phenolic resin may also be accelerated when they are in contact with Santoprene® thermoplastic rubber at processing temperatures. Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye contact:	Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes. Contact with the hot material can result in pain, thermal burns, and permanent injury.
Skin contact:	Contact with skin may result in irritation. Contact with hot material may cause skin burns.
Inhalation:	Breathing in dust may result in respiratory irritation. Vapour and processing fumes may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

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Long Term Effects:

No information available for the product.

Toxicological Data: No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Classification:

Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule:

None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

A component of this material is on the List of Designated Hazardous Substances [NOHSC:10005(1999)] without risk and safety phrases. According to an assessment of health effects against the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)], no risk and safety phrases are applicable.

16. OTHER INFORMATION

Supplier Material Safety Data Sheet; 08/ 2005.

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This safety data sheet has been prepared by Orica SDS Services.

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Reason(s) for Issue:

Addition/Change of synonymous name(s)

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace.

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