



FLUORO PACIFIC

Specialist PTFE Processors and Fluoro Polymer Engineers

MATERIAL SAFETY DATA SHEET

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1. COMMERCIAL PRODUCT NAME

Product information

Trade name : Tetron S
Use of the: resin for moulding and/or extrusion
Substance/Preparation
Company : Fluoro Pacific
Telephone : (02) 9980 1711
Fax : (02) 9980 1877
Issue Date : 20/1/2007

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical Name CAS-No. Concentration
Polytetrafluoroethylene 9002-84-0 100 %

3. HAZARDS IDENTIFICATION

Hazardous classification

Not classified as dangerous goods according to the ADG Code.
Not classified as hazardous according to criteria of NOHSC.

Specific hazards

No hazards to be specially mentioned.

4. FIRST AID MEASURES

General advice: Remove from exposure, lie down. Never give anything by mouth to an unconscious person. No hazards which require special first aid measures If a person vomits when lying on his back, place him in the recovery position.

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Consult a physician after significant exposure.

Skin contact: Cool skin rapidly with cold water after contact with molten material. Do not peel polymer from the skin. Consult a physician.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.

Ingestion: No hazards which require special first aid measures Drink water as a precaution.



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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	carbon dioxide (CO ₂), dry powder, foam, water
Specific hazards during fire fighting:	Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon monoxide hydrogen fluoride
Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Refer to protective measures listed in sections 7 and 8.
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Sweep-up to prevent slipping hazard. Sweep up or vacuum up spillage and collect in suitable container for disposal.
Additional advice	Use mechanical handling equipment. Contaminated surfaces will be extremely slippery.

7. HANDLING AND STORAGE

Handling

Advice on safe handling: No special handling advice required. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8. General precaution for all plastics and elastomers: Provide appropriate exhaust ventilation at dryers, machinery and at places where dust or volatiles can be generated. When opening containers, avoid breathing vapours that may be emanating. Protect from contamination.

Storage

Requirements for storage areas and containers	No special storage conditions required. Keep container tightly closed in a dry and well-ventilated place. Protect from contamination.
Further information on storage conditions	none
Advice on common storage	No special restrictions on storage with other products.
Other data	No decomposition if stored and applied as directed.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

We are not aware of any national exposure limit.

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Half mask with a particle filter FFP2/FFP3 (EN149)

Hand protection : Protective gloves (Type : Kevlar® - heat resistant, use possible until worn out)

Eye protection: safety glasses with side-shields

Skin and body protection: If there is potential contact with hot/molten material, wear heat resistant clothing and footwear. Regular cleaning of equipment, work area and clothing.

Hygiene measures: Wash hands before breaks and at the end of workday. General precaution for all plastics and elastomers: Do not breathe fumes evolved from hot polymer.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid

Colour: white

Odour: none

Melting point/range: 327 - 342 °C

Flash point: not applicable

Density: 2.14 - 2.20 g/cm³

Bulk density: 400 - 1,000 kg/m³

Solubility/qualitative: insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid: Temperature : > 300 °C To avoid thermal decomposition, do not overheat. Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.

Hazardous reactions: None Further information During drying, purging and moulding, small amounts of hazardous gases and/or particulate matter may be released. These may irritate eyes, nose and throat. Large molten masses may give off hazardous gases No decomposition if used as directed.



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11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity: The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

12. ECOLOGICAL INFORMATION

Further information on ecology

Additional ecological information: This product has no known eco-toxicological effects.

13. DISPOSAL CONSIDERATIONS

Product: Like most thermoplastic plastics the product can be recycled. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled, when in compliance with local regulations. Waste disposal number: 07 02 99

Contaminated packaging: Empty containers should be taken for local recycling or waste disposal.

14. TRANSPORT INFORMATION

Further Information : Not classified as dangerous goods according to the ADG Code.

15. REGULATORY INFORMATION

National regulatory information:

SUSDP : No poison schedule number allocated

16. OTHER INFORMATION

Sources of key data used to compile the datasheet:

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Dangerous Goods Code, No. 6 [National Road Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 18 [NDPSC:May 2003]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Further information

Further safety information on this product is available from ISOCOMP Technologies.

This data relates only to the material designated herein and does not apply to use in combination with any other material or in any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use