

MATERIAL SAFETY DATA SHEET

Products with label reference: T or T2
 Issue date : March 2003 Issue 3

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Product Name	Products labelled with T or T2
Intended use	Powder application by electrostatic spray
Supplier	Thermaset Ltd, Claire Works, Lichfield Road Industrial Estate, Tamworth B79 7TA
Telephone	01827 55777

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Chemicals(Hazard Information and Packaging For Supply) Regulations 2002

REF	NAME	CONC RANGE	SYMBOL LETTER	R-PHRASES
T	Triglycidyl isocyanurate (TGIC)	5.0to<10.0%	T	R46,R23/25 R48/22,R41 R43,R52/53
T2	Triglycidyl isocyanurate (TGIC)	0.1to<5.0%	T	R46,R23/25 R48/22,R41 R43,R52/53

3. HAZARDS IDENTIFICATION

This product contains TGIC and is classified as toxic. Possible risk of heritable genetic damage. May cause sensitisation by skin contact. Harmful by inhalation and if swallowed.

4. FIRST AID MEASURES

GENERAL:
 In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION:
 Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

EYE CONTACT:
 Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelid apart. Seek medical advice.

SKIN CONTACT:
 Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary cleaner. DO NOT use solvents or thinners.

INGESTION:
 If accidentally swallowed, obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:
 Recommended : Alcohol resistant foam, CO2 blanket, water spray/mist.
 Not to be used: High pressure inert gas (e.g. CO2), water jets.

RECOMMENDATIONS:
 Fire will produce dense black smoke containing hazardous products of combustion (see Section 10).
 Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire-fighting to enter drains or watercourses

6 ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and non-essential personnel. Refer to Sections 7 and 8 for safety measures.
Contain and clean up spillage promptly with an electrically protected vacuum or wet sweeping and place in a closed container for disposal in accordance with waste regulations(see Section 13). Do not allow to enter drains or watercourses.
If the product enters drains or sewers, immediately contact the local water company; if lakes, streams or rivers are contaminated contact the Environment Agency.

7. HANDLING & STORAGE

Skin contact constitutes the most pronounced hazard. People with a history of skin sensitisation should only handle or be exposed to the product under medical advice.

HANDLING

For personal protection see Section 8.
Prevent the formation of dust above explosive or occupational exposure limits. Keep the container closed tight and exclude sources of heat, sparks and open flame. Always store in containers made of the same material as supply container.
Avoid inhalation of dust. Smoking, eating and drinking should be prohibited in areas of storage and use.
The product may discharge electrically. Use earthing leads when transferring between containers. Operators should wear antistatic footwear and clothing and flooring should be conductive. Good housekeeping and safe removal of waste will minimise the risk of fire hazards.
The Manual Handling Operations Regulations may apply to the handling of containers of the product.

STORAGE

Check the label for precautions. Store between 5 and 25 degrees C in a dry well ventilated area away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access.
Opened containers should be properly resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

People with known allergic reactions or respiratory problems should only handle or be exposed to the product under medical advice.

ENGINEERING MEASURES:

Avoid the creation and inhalation of dusts as far as is practicable. To reduce exposure ensure adequate ventilation, preferably by local exhaust. If insufficient to keep dust below OEL, suitable respiratory protective equipment should be worn.

EXPOSURE LIMITS

Substance	TGIC
Maximum Exposure Limit	0.1 mg/m3

PERSONAL PROTECTION

All ppe, including rpe, used to control exposure to hazardous substances must be selected to comply with COSHH Regulations.
Respiratory Protection:
Non-essential and unprotected people should be excluded from areas of exposure. Air-fed respiratory ppe should be worn when this product is sprayed, in addition to other measures taken to reduce exposure(e.g. local exhaust or spray line modification)

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Hand Protection:

Where skin exposure may occur, advice should be sought from glove suppliers on suitable types. Hand protection should conform with EN 388.

Eye Protection:

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Skin Protection:

Skin protection should conform with EN 340. Cotton/synthetic or cotton overalls are normally suitable. Care should be taken to ensure that irritation of the skin at neck and wrists through rubbing with powder is avoided. Regular skin inspection of users of this product is recommended.

ALWAYS WASH BEFORE EATING, SMOKING OR USING A TOILET.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state : fine powder
Odour : none
Specific gravity: 1.2-1.9
Solubility : insoluble in water

10. STABILITY & REACTIVITY

Stable under the recommended storage & handling conditions (see Section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

There are no data on the product itself. The product has been assessed according to CHIP and is classified for toxicological hazards accordingly. See Sections 3 and 15 for details of the hazard classification.

Coating powders can cause localised skin irritation in folds of skin or in contact with tight clothing.

12. ECOLOGICAL INFORMATION

There are no data on the product itself. The product has been assessed according to CHIP and is not classified as dangerous for the environment. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of the Environmental Protection Act may apply to the use of the product.

13. DISPOSAL CONSIDERATIONS

Do not discharge into drains or local environment. Waste, including contaminated containers, are controlled waste and should be disposed of in accordance with the Control of Pollution Act and the Environmental Protection Act. Using the information in this safety data sheet advice should be sought from the relevant environment agency whether the Special Waste Regulations apply.

14. TRANSPORT INFORMATION

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

The product is classed and labelled for supply in accordance with the Chemicals(Hazard Information and Packaging)Regulations and is labelled as follows:

- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R46 May cause heritable genetic damage.
- R23/25 Toxic by inhalation and if swallowed.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S38 In case of insufficient ventilation wear suitable respiratory equipment.
- S24/25 Avoid contact with skin and eyes.
- S36/37/39 Wear suitable clothing, gloves and eye/face protection.
- S45 In case of accident, or if you feel unwell, seek medical advice immediately(show label where possible)
- S53 Avoid exposure-obtain special instructions before use.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work Act etc and Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

The information in this safety data sheet is provided in accordance with the requirements of the Chemicals(Hazard Information and Packaging for Supply) Regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.

Further information and relevant advice can be found in:

- The Control of Substances Hazardous to Health Regulations 1999 (SI 1999:437)
 - The Application of Powder Coatings by Electrostatic Spraying (Code of Safe Practice) from British Coatings Federation (tel:01372 360660)
 - The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839)
 - The Chemicals (Hazard Information and Packaging)Regulations2002 (SI 2002:1689)
 - The Manual Handling Operations Regulations 1992(SI 1992:2793)
 - COSHH Essentials: easy steps to control chemicals, HS (G) 193.
 - Control of exposure to Triglycidyl Isocyanurate (TGIC) in Powder Coatings, Engineering Sheet No.5,HSE
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