



MATERIAL SAFETY DATA SHEET – EC103 & EC104

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Product name : EC 103 and EC 104 -Two component Cold cure repair system.

Supplier Address Thejo Engineering Ltd;
Corporate office, 41 Cathedral Road, VDS Building,
Chennai 600086, Tamil Nadu, India
Tel +91 44 42221900
Fax +91 44 42221910

2. COMPOSITION / INFORMATION ON INGREDIENTS

EC 103 and EC 104 self setting rubber paste to be mixed on 1:1 ratio with each other for use

3. HAZARD IDENTIFICATION

Physical/chemical hazards Non-Inflammable.

Environmental hazards Not available.

Human health hazards Vapour or fumes may be harmful. May be irritating to eyes, lungs.

4. HUMAN HEALTH HAZARDS

Effects and symptoms

Ingestion May be irritating to mouth, throat.
Exposure to high concentrations may result in nausea, vomiting, diarrhea and dizziness.

Inhalation May be irritating to respiratory tract. Exposure to high concentrations may result in headache, loss of coordination, vomiting, wheezing and coughing.

Skin contact Mildly irritating to skin. Irritating to eyes. Prolonged or repeated eye contact may result in corneal clouding.

5. FIRST AID MEASURES

Skin contact Remove contaminated clothing. Wash off with plenty of water and soap. If the victim unwell, seek medical advice (show the label where possible)

Eye contact Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. If irritation persists, consult a doctor.



MATERIAL SAFETY DATA SHEET – EC103 & EC104

6. FIRE FIGHTING MEASURES

Extinguishing media CO₂, foam, dry chemical

Protection of fire-fighters Use full protective clothing. Self contained breathing apparatus.

7. ACCIDENTAL RELEASE MEASURES

Personal precautions Clear all personnel from that area- Keep away from sources of ignition - No smoking.

8. HANDLING AND STORAGE

Handling Do not breathe vapour. Keep away from sources of ignition – No smoking. Take precautionary measures against static discharges.

Storage Keep container tightly closed and in a well-ventilated place. Keep away from sources of ignition, heat, flame and direct sunlight. When not in use, keep tightly sealed.

Packing materials
Suitable Keep in steel containers, glass containers.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures Local exhaust recommended. Explosion protected electrical equipment. Take precautionary measures against static discharges.

Hygienic measures When using do not eat, drink or smoke. Wash hands after working with the substance.

10. PHYSICAL AND CHEMICAL CHARACTERISTICS

1. Physical State	Viscous paste at 25Deg c
2. Density	3.00+/-0.05 at 25 Deg cel
3. Colour	Black
4. Solubility in water	Insoluble
5. Storage	Store in a cool dry place between 15Deg c to 25 Deg cel away from direct sunlight and exposure to moisture or water
6. Pot life	The pot life of mixed solution is 2-3Hrs at 23Deg cel
7. Fire and explosive hazards	Non inflammable, Non combustible and Non Explosive
8. Shelf Life	6Months at 15Deg cel to 25Deg cel



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11. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	keep away from: sources of ignition, heat and direct sunlight.
Materials to avoid	Reacts with strong acids, strong bases, alcohols, amines and Water.
Hazardous Decomposition Products	Burning may produce: Irritating and toxic fumes,
General	The material when mixed in a ratio of 1:1 (EC 103 and EC 104)

12. DISPOSAL CONSIDERATION

Methods of disposal	Disposal according to the local legislation. Through incineration; dangerous pressure build ups may occur in closed Container Combustion in an incinerator for chemical waste
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13. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: This product may be irritating to the eyes, skin, and respiratory system. This product may cause sensitization in previously exposed individuals and result in contact dermatitis. This product may be absorbed through the skin. Acute inhalation may cause central nervous system depression with drowsiness, dizziness, headache, nausea, vomiting, unconsciousness and coma. Death may occur from respiratory arrest or ventricular fibrillation resulting in primary cardiac failure. Liver and kidney damage may also occur.

CHRONIC TOXICITY: Prolonged or repeated liquid contact can results in defatting and drying of the skin, which may result in skin irritation and dermatitis. Sensitization may occur. Repeated exposure to the eyes may cause conjunctivitis.

14. ECOLOGICAL INFORMATION

No data on preparation it self.
Do not pour in or sewage system

15. TRANSPORT INFORMATION

DOT PLLACARD (WHEN REQUIRED): "KEEP AWAY FROM FOOD", 1710, Class 6

DOT SHIPPING LABEL (WHEN REQUIRED): "KEEP AWAY FROM FOOD", Class 6

DOT EXCEPTIONS: DOT Paragraphs 172.153 & 172.202

ALTERNATE SHIPPING ARRANGEMENTS: Based on package or shipping container size, this product may be shipped as a, "Limited quantity", or, renamed, "Consumer Commodity" and reclassified as, "ORM-D" Material.

IMO REQUIREMENTS: EMS NO =6.1-02 MFAG Table No. = 340 IMDG Code Page: 6273

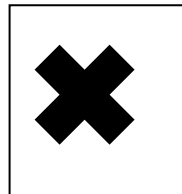
ICAO/IATA: 6.1



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16. REGULATORY INFORMATION

EC Regulations
EC Classification
(67/548/EEC-88/379/EEC)



Hazard symbols(s) Xn HARMFUL
Risk phrases

- R11: Non-Inflammable
- R20: Harmful by inhalation
- R40: Possible risks of irreversible effects.
- R42: May cause sensitization by inhalation.
- R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases.
S24/25: Avoid contact with and eyes.
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.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Other EC Regulations see information supplied by manufacturer.

National Regulations There are no additional National Regulations required/available.