



Material Safety Data Sheet

Date of publication: 19 AUGUST 2008

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

PRODUCT NAME: POLYESTER SHEET

COMPANY IDENTIFICATION: OCTAL PETROCHEMICALS FZC

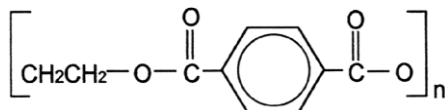
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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION Polyethylene Terephthalate

CHEMICAL FORMULA



CAS NUMBER 25038-59-9

ADDITIVE Food grade surface active silicone solution

APPLICATION Thermoforming & laminating of packaging products

3. HAZARDS IDENTIFICATION

Material when in its melt form can cause thermal burn on the skin.

Sharp edges of the sheet can cause skin cuts.

Thermal processing of sheet may generate fumes and vapors which may cause irritation to the nose and throat.



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4. FIRST AID MEASURES

| | |
|---------------------|---|
| SKIN | If burned by contact with molten material, cool and apply burn ointment on the affected part. Seek medical attention as soon as possible. |
| EYES | Not a probable route of exposure. However, if any material comes in contact with the eyes, flush eyes with running water for 15 minutes. If discomfort continues, seek medical attention. |
| INHALATION | If processing vapor occurs and irritation develops, remove person to fresh air. If discomfort persists, seek medical attention. |
| INGESTION | Not a probable route of exposure. |
| ADVICE TO PHYSICIAN | No specific advice. Treat symptomatically. |

5. FIRE FIGHTING MEASURES

| | |
|-------------------------------|--|
| EXTINGUISHING MEDIA | All standards agents may be used. |
| SPECIAL FIREFIGHTING MEASURES | Wear self-contained breathing apparatus and fire-proof clothes meeting NIOSH standards. Avoid excessive inhalation of smoke or potential thermal decomposition products. |

6. ACCIDENTAL RELEASE MEASURE

| | |
|-----------------------------------|---|
| IN CASE OF SPILL OR OTHER RELEASE | Sweep, vacuum and/or roll up and place in containers for disposal to an approved landfill or reuse. Always wear recommended personal protective equipment. Spills and release may have to be reported to Federal and/or local authorities. |
|-----------------------------------|---|

7. HANDLING AND STORAGE

| | |
|-------------------------|---|
| NORMAL HANDLING | Observe safety precautions when handling the rolls. Always wear recommended personal protective equipment. |
| STORAGE RECOMMENDATIONS | Store in cool and well ventilated area. Keep away from open fire, heat sources, oxidizing material and sun. |



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EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|------------------------|---|
| ENGINEERING CONTROLS | Mechanical ventilation should be used during processing to remove any dusts, mists and /or vapors that may be generated. |
| SKIN PROTECTION | When material is heated and/or in melt form, wear heat resistant gloves to prevent burns. Wear cut resistant gloves when handling the web, sheet and/or roll. |
| EYE PROTECTION | Use safety glasses at all times. |
| RESPIRATORY PROTECTION | Use dust or vapor respirator meeting 42 CFR Part 84 Standards when needed. |

8. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|---|
| APPEARANCE | Clear or colored sheet |
| PHYSICAL STATE | Solid |
| MOLECULAR WEIGHT | >30,000 |
| CHEMICAL FORMULA | (C ₁₀ H ₈ O ₄) _x |
| ODOR | No specific odor |
| SPECIFIC GRAVITY | 1.3 – 1.4 g/cm ³ |
| SOLUBILITY IN WATER | Insoluble |
| MELTING POINT | 247 °C -254 °C |
| BOILING POINT | Not determined |
| THERMAL DECOMPOSITION | 415 °C |
| FLAMMABILITY POINT | 450 °C |
| FLAMMABILITY LIMITS: LOI | 21% - 22% |
| pH | Not applicable |

9. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| STABILITY | Normally stable |
| INCOMPATIBILITIES | Tends to dissolve in caustic materials. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Thermal decomposition products may include CO, ethylene glycol, aldehydes and other C, H, and O compounds varying in chemical structure and molecular weights. |
| HAZARDOUS POLYMERIZATION | Will not occur. |



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10. TOXICOLOGICAL INFORMATION

Experience has shown that the above mentioned product can be used without any danger to health as long as the usual conditions of industrial hygiene are observed.

11. ECOLOGICAL INFORMATION

No data available.

12. DISPOSAL CONSIDERATIONS

Dispose of as non-hazardous waste in accordance with local, state and federal regulations.

13. TRANSPORT INFORMATION

Does not belong to dangerous category. Transport is not regulated.

14. REGULATORY INFORMATION

CONFORMS TO THE
FOLLOWING REGULATORY
REQUIREMENTS

USA FDA Code of Federal regulations (CFR21)
Section 177.1630

EC Directive 94/62/EC

UK Statutory Instrument 1165 (1998)

CONEG Regulations (USA/Canada)

EC Directive 2002/72/EC as amended

15. OTHER INFORMATION

Visit our website at www.octal.com or call operator +968 23 21 75 00

USES AND RESTRICTIONS

Use for thermoplastics

MSDS AVAILABILITY

The information in this document should be made available to all who may handle the product.



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