

1. PRODUCT AND COMPANY INFORMATION

Product Name(s): Expanded Polypropylene (EPP)

Application of Product:

For the manufacture of Meditherm® range of products, used in the shipping temperature sensitive pharmaceutical preparations.

Manufacturer Information:

Sonoco Thermosafe (UK) Ltd
Tring Industrial Estate
Icknield way
Tring
Hertfordshire
HP23 4JX, UK

Czech Republic
Sonoco Thermosafe (CE) s.r.o
Cíčenická 1271/II.
389 01 Vodnany
Czech Republic

Emergency Contacts:

Phone (UK): +44 (0)1442 828 664

Fax (UK): +44 (0)1442 827 056

Email (UK): thermosafeeurope@sonoco.com

Phone (CE): +420 38 331 0000

Fax (CE): +420 38 338 3721

Email (CE): thermosafeeurope@sonoco.com

2. HAZARD IDENTIFICATION

Appearance and Odour:	Small black beads. No odour
Emergency Overview:	No emergency conditions are expected from this product.
Primary Route(s) of Exposure:	Inhalation, skin and eye contact, ingestion.
Acute:	
<i>Inhalation</i>	Under anticipated conditions of normal use this product is not usually considered a respiratory hazard. Ensure adequate ventilation, especially in confined areas. In confined or poorly ventilated areas use a suitable particle filter mask with low efficiency for solid particles.
<i>Eye Contact</i>	Under anticipated conditions of normal use this product is not usually considered hazardous to eyes. Wearing safety glasses can prevent the risk of the product coming in to contact with eyes
<i>Ingestion</i>	Ingestion of this material is unlikely if used as intended. However, ingestion of this product may produce gastrointestinal irritation and disturbances.
Chronic:	None identified.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature: highly versatile closed cell bead foam

Material	CAS Number	Wt.%	Warning Symbol
Polypropylene Copolymer	9010-79-1	85-99.9%	N/A
Carbon Black	1333-86-4	0-15%	N/A

Ingredients are not precisely identified.

4: FIRST-AID MEASURES

Inhalation	This product does not normally present a significant inhalation hazard. In case of inhaling excessive airborne dust (dust is not present under normal conditions of use) move to an area free from airborne dust/fresh air.
Inhalation of smoke or fumes (fire situation)	Remove from exposure into fresh air. Keep warm and at rest. If there is any respiratory distress give oxygen. If breathing stops or shows sign of failing, apply artificial respiration. Obtain immediate medical attention.
Skin	If skin irritation is experienced, wash the area thoroughly and seek medical advice if symptoms persist.
Eye	Flush EPS particles from the eye with water. If recovery does not occur obtain medical attention.
Ingestion	Ingestion of this material is unlikely. If it does occur – do not induce vomiting and seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Water spray, fire fighting foam, dry chemical or CO ₂ .
Special Exposure Hazards:	Combustible material. Heat sensitive: may melt. Material burns by forming flaming drops. Incomplete thermal decomposition or burning may release hazardous products and/or flammable vapours (like ethylene, ethane, carbon monoxide, propane etc)
Fire Fighting Instructions:	Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Land Spill:	Retrieve the material and submit for recycling or disposal as a non-hazard in an appropriate recycling or disposal facility.
Water Spill:	While this material is not soluble, if fragmented it will float and disperse with wind and current. Contain the material with brooms, pick up or remove with a vacuum truck.

7. HANDLING AND STORAGE

Storage Temperature: N/A;

Storage Pressure: N/A

Handling Precautions: Keep away from heat or ignition sources and UV exposure

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	None required.
Personal Protective Equipment:	None is required however good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics. Refer to the current edition of HSE Guidance Note EH40 Occupational Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Small black beads
Physical State:	Solid
Odour:	None
Boiling Point (°C):	N/A
Melting Point (°C):	130 degrees C to 170 degrees C
Solubility in Water:	Insoluble
Solubility on other solvents:	Slightly soluble in hot organic solvents

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Extreme heat and all sources of ignition
Materials to avoid:	None.
Hazardous Decomposition:	No hazardous decomposition if the product is used as recommended.

11. TOXICOLOGICAL INFORMATION

Acute Effects:	Acute health effects from this product are unlikely when used as intended
Chronic Effects:	Chronic health effects from this product are unlikely when used as intended
Inhalation:	Inhaling excessive airborne dust (dust is not present under normal conditions of use) can cause irritation to the upper respiratory tract.
Skin Contact:	Under anticipated conditions of normal use this product is not usually considered a skin hazard. Excessive airborne dust (dust is not present under normal conditions of use) can cause skin irritation.
Eye Contact:	Under anticipated conditions of normal use this product is not usually considered a hazard to eyes. Excessive airborne dust (dust is not present under normal conditions of use) can cause eye irritation.
Ingestion:	Swallowing particles of this product can create a false feeling of satiety (feeling full)

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No known eco-toxicological effect.
Elimination:	The product is not bio degradable. The product can be mechanically separated.

13. DISPOSAL CONSIDERATIONS

Products:	The product should be disposed of in compliance with local and national legislation. Waste management schemes (recovery, recycling, reuse) should be promoted.
Packaging:	The packaging should be disposed of in compliance with local and national legislation.

14. TRANSPORT INFORMATION

This product is not regulated for carriage according to ADR/RID/ADN, IMDG, ICAO-TI/IATA-DGR
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
EU regulations, Authorisations and/or restrictions on use: None known
National regulations: Not applicable
Chemical Safety Assessment: Not available

16. OTHER INFORMATION

The data within this Material Safety Data Sheet is based upon the current knowledge and refers only to material safety requirements. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.