Microcel Puff® PE

Material Safety Data Sheet

1. GENERAL DESCRIPTION

Product Name:	Microcel Puff® PE
Trade name and Synonyms:	Microcel Puff® PE B4, A8, A20, A30
Chemical Family:	Chemically Crosslinked Polyethylene Foam
Formula:	See Section 2
Supplier:	Acor Orthopaedic, Inc. 18530 S. Miles Pkwy, Cleveland, oh 44128
Emergency Tel:	216.662.4500
Fax:	216.662.4547

2. COMPOSITION/INGREDIENT DATA

Substance (Abbreviation)	Substance (Chemical Name)	Cas#	%PHR
EVA			50%
LDPE			50%
DCP	Dicumyl peroxide	80-43-3	<1%
ADCA	Azodicarbonamide	123-77-3	<4%
MB	Organic Pigment		<3%

3. FIRST AID MEASURES

Ingestion:	If there is any suspicion that the material has been ingested, seek immediate medical attention. If only a few granules have been swallowed, rinse the mouth with cold water. In this case there is no real danger.
Skin Contact:	There is no risk and no need to work with gloves. After prolonged work with the material it is advisable to wash the hands before eating and or on completion of work.
Eye Contact:	Should any granules enter the eyes, the eyes must be rinsed. If there is still a burning sensation, consult a doctor or opthalmologist.

4. FIRE FIGHTING MEASURES

Suitable extinguishing media: CO_2, H_2O, Foam, Dry Chemical Powder

During a fire it is advisable to cool the material with water. Material that has not ignited should, if possible, be removed from the vicinity of the fire to a safe area. Care must be taken not to stand underneath burning material, for fear of dripping

by the molten material that may cause burns.

The smoke is toxic in large quantities; therefore it is advisable to approach the fire with a mask.

Even after the flames have been extinguished, the material should be cooled with water, in order to prevent a renewed outbreak of the fire as a result of self-combustion.

5. ACCIDENT RELIEF MEASURES

Personal Precautions:	See Section 8
Environmental Precautions:	None necessary
Methods for Cleaning Up:	Can be cleaned by any acceptable method: Dust and fragments may be vacuumed, swept or blown away by use of air pressure.

6. HANDLING AND STORAGE

Handling: No Restrictions

Storage: It is advisable to store in a ventilated warehouse on pallets raised off the ground.

The blocks should be packed in perforated polyethylene sheeting for ventilation. The material must **not** be stored outside, particularly in rain or the sun. Shrink wrap is not advisable.

7. PERSONAL PROTECTION

Engineering measures to reduce exposure:
If dust or vapor condition is above the recommended level, use local extraction apparatus (likely only in the case of a fire).

Personal Protection Equipment:

Respiratory Protection: When cleaning fragments with air pressure, a protective mask should be worn over the nose and mouth.

Hand Protection: There is no need for gloves with the cold material. Heat resistant gloves should be used when handling the hot material.

Eye Protection:	Protective goggles should be used when cleaning fragments with air pressure.
Skin and Body Protection:	There is no need for any protective measures.
Hygiene Measures:	Before eating, hands and face should be

8. PHYSICAL AND CHEMICAL PROPERTIES

State: Foam PE	**Colour:** Various	**Odour:** None
Density: 27-250kg/m^3	**Melting Point**: N/A	**Decomposition Temp**: 400^oC
Boiling Point: N/A	**Vapour Pressure**: N/A	**Auto Ingnition Temp**: N/A
Flashpoint: N/A	**Explosion Risk**: N/A	**Water Solubility**: None

9. STABILITY AND REACTIVITY

Stability:	(x) Stable ( ) Unstable
Conditions to avoid:	Temperatures over 150^0C
Hazardous Decomposition products:	Hydrocarbons, CO, Trace Ammonia
Hazardous Polymerization:	( ) may occur (x) will not occur

10. TOXICOLOGICAL INFORMATION

Skin:	No toxicity
Eye:	Dust may cause irritation
Ingestion:	Harmful if swallowed in large quantities – metal poisoning
Inhalation:	A high concentration of dust and fragments may cause nausea.

Chronic Toxicity:
ACGIH -A2 Vinyl Acetate is classified as A3 by ACGIH
All of the above refers to additives before foaming. The concentrations in foamed materials is very low, rendering them much less hazardous.

11. ECOLOGICAL INFORMATION.

Details for elimination:	The waste can be buried at an appropriate site or burned in a furnace that absorbs toxic gases. The foam can also be ground down for the production of recycled foams.
Performance in Ecological Sub System:	
Ecotoxicity:	Foam – none

12. DISPOSAL CONSIDERATIONS:

Waste from residues/unused:	Dispose of in accordance to local state federal regulations.
Contaminated Packaging:	Normally LDPE

13. TRANSPORTATION INFORMATION:

ADR/RID-HI/UN No.: Not classified **Class**:
Proper shipping name:
IMDG-UN No.: None **Marine Pollutant:** No **Class:**
Proper shipping name:
MFAG: **MDG Page:** **EMS:**
ICAO: **UNI/ID No.:** **Class:**
Proper shipping name:

14. REGULATION INFORMATION

Classification according to European directive on classification of hazardous preparations 88/379/EEC
Symbols:
R-phrases:
S-phrases:

15. OTHER INFORMATION

Recommended use:	For industrial use only
Recommended restrictions:	
Further information contact name	Acor Orthopaedic, Inc.
Department Telephone:	216.662.4500
Department Fax:	216.662.4547

This information is based and presented upon our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.