

OS-200  
OS-300  
OS-500

### I- Cell Physical Properties 2 pcf PE-FR

property	units	Typical data
Density	pcf	2.0
Tensile strength-md	psi	45
Tensile strength-cd	psi	50
Elongation-md	%	190
Elongation-cd	%	210
Tear strength-md	pli	9
Tear strength-cd	pli	12
Compressive strength -25%	psi	5.8
Compressive strength- 50%	psi	14.5
Compression set	%	32
Hardness	Sh"00"	55
Flame retardency		UL94-HF1
Average cell size	mm	0.25

Property testing per ASTM D3576-00e1 and UL-94

# MSDS MATERIAL SAFETY DATA SHEET

SECTION I			
Date Prepared: June 13, 2007		Supersedes Previous Issue Date of:	
		Preparer's Signature: N/A	
Product Name (As used on label & List): ICELL, PE & EVA			
Chemical Family: PLASTICS		Chemical Name & Synonyms: Polyolefin Foam	
Chemical Formula: (-CH <sub>2</sub> ) <sub>x</sub>		Trade Name & Synonyms: ICELL	
SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended % (Optional)
N/A			
SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS			
Appearance: Fine Celled Foam	Color: White	Odor: Characteristic	Molecular Weight: N/A
Boiling Point: N/A	Melting Point: N/A	Specific Gravity (H <sub>2</sub> O = 1): .03	Solubility in Water: Negligible
Vapor Pressure (mm Hg.): N/A	Vapor Density (Air = 1): N/A	Bulk Density: N/A	% Volatile by Volume: N/A
SECTION IV - FIRE AND EXPLOSION DATA			
Flash Point T (Method Used): N/A	Flammable Limits: Lel N/A Uel N/A		
Extinguishing Media: Water, Carbon Dioxide, Foam, Dry Chemical			
Special Fire Fighting Procedures: Wear self contained breathing apparatus if exposed to fumes			
Unusual Fire and Explosion Hazards:			
SECTION V - REACTIVITY DATA			
Stability:	Unstable		Conditions to Avoid: Stable under normal conditions
	Stable	X	
Incompatibility (Materials to Avoid): N/A			
Hazardous Decomposition or By-products: Carbon Dioxide, Carbon Monoxide, Hydrocarbons			
Hazardous Polymerization	May Occur		Conditions to Avoid: Extreme heat above 310°C
	Will not Occur	X	

## MATERIAL SAFETY DATA SHEET

Product Name (As used on label & List): IceM <sup>®</sup>			
<b>SECTION VI - HEALTH HAZARD DATA</b>			
Route(s) of Entry:	Inhalation? Not respirable	Skin? Molten material causes burn	Ingestion? Not probable route
Health Hazards (Acute and Chronic): N/A			
Carcinogenicity: N/A	NPT? N/A	ACR Monograph? N/A	OSHA Regulated? N/A
Signs & Symptoms of Exposure: N/A			
Medical Conditions Generally Aggravated by Exposure: N/A			
Emergency and First Aid Procedures: If molten material contacts the skin, cool rapidly with water.  Obtain medical attention for thermal burn.			
<b>SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>			
Steps to be Taken in Case Material is Released or Spilled: Sweep up or pick up to avoid slipping hazard.			
Waste Disposal Method: Dispose of in landfill in compliance with applicable federal, state and local regulations.			
Precautions to be Taken in Handling and Storing: Store in cool, dry place.			
Other Precautions: Avoid open flames. Material will burn.			
<b>SECTION VIII - CONTROL MEASURES</b>			
Respiratory Protection (Specify Type) None under normal conditions			
Ventilation:	Local Exhaust: If material is heated	Special: N/A	Other: N/A
	Mechanical (General): N/A		
Protective Gloves: If material is heated		Eye Protection: Safety glasses	
Other Protective Clothing or Equipment: N/A			