

“STRICTLY PRIVATE AND CONFIDENTIAL”
NOT FOR PUBLIC CIRCULATION

SPECIFICATIONS FOR Ice Pack XL

A) NON-WOVEN FABRIC

Manufacturer Process = Spunbonded Continuous

Weight (gram per mtr = Filamet 40

sq)

Tensile Strength (kg per 5 cm)

MD = 19.0

CD = 7.0

Tear Strength (kg) MD = 0.8

Elongation (%) MD = 60

CD = 60

B) PET-PE

Quality: PET 30/40 PE) (White)

Printing: 1- colour Flexo (20% ink coverage)

Extinguishing Media

Water
 spray Dry
 Powder
 Carbon dioxide (CO₂)
 Foam

Specific Hazard with Regard
 To Fire-Fighting Measures

In the presence of an ignition source : Dust
 can form explosive mixture with air. (in
 an enclosed space)
 Temperature above 330°C : Thermal
 decomposition giving toxic products :
 Organic derivatives, Carbon oxides

Special equipment for the
 Protection of firefighters

Wear protective clothing, safety goggles
 and self-contained breathing apparatus.

5. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes.
 Prohibit inhalation of dust.

Environment Precautions

Do not release into the environment.
 Do not let the product enter into drains.

Methods For cleaning up
 Recovery

Collect product by mechanical means.
 Do not rinse with water (Makes the ground
 Slippery).
 Moist product : Absorb the remainder with an
 Inert absorbent material.

Disposal

Destroy the product by incineration.

6. HANDLING AND STORAGE

Handling

Technical Measures

Storage and handling precautions applicable
 to products:
 DUST FORMING, forming EXPLOSIVE
 mixtures with air (In the presence of an
 Ignition source:)

Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated.
 (Do not permanently recycle dust-laden air)

Specific Handling Advice

Avoid dust formation.
 Avoid accumulation of static charges.
 Avoid spreading the product on the floor
 (Product becomes slippery when dump)

Storage

Technical Measures

Keep container tightly closed.
 Store protected from moisture.
 Keep away from heat and sources of ignition.
 Provide electrical earthing of equipment and electrical equipment usable in explosive atmosphere.

Safe Packaging Materials

Recommended

Paper bags lined with polyethylene. (or Polypropylene)

7. EXPOSURE CONTROL / PERSONAL PROTECTION

Protective Provisions

Ensure sufficient air exchange and / or exhaust in work areas.
 (Do not permanently recycle dust-laden air)

Control Parameters

Exposure limits

Value recommended by EDANA :
 VME=0.05mg/m³ (respirable dust) (<10um)

Personal Protective Equipment

Respiratory protection

Effective dust mask

Hand protection

Gloves

Eye protection

Safety glasses / goggles

Skin and body protection	Non-skid boots
Specific hygiene measures	Avoid contact with skin and eyes Prohibit inhalation of dust

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White granular powder
Bulk Density	0.60 to 0.90 g/ml
Decomposition Point	ca.330°C
Solubility in H ₂ O	Swells in water
Auto-ignition Temperature	Above 400°C

9. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

Conditions To Avoid	Store protected from moisture Keep away from heat and sources of ignition.
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Hazardous Decomposition

Products	Temperature above 200°C : Thermal decomposition giving toxic Product : organic vapors, carbon monoxide
Further information	Polymer swells in presence of water

10. TOXICOLOGICAL INFORMATION

Corrosiveness	None	1)
Acute Toxicity	Oral rat LD50 > 2,000 mg/kg	1)
Skin Irritation	No irritant (Human, Rabbit)	1)

14. REGULATORY INFORMATION

EEC Directive	-
Safety Data Sheets	D.91/155/EEC amended by D.93/112/EEC : Dangerous substance and preparations
EC Classification/Labelling	-
Dangerous preparations	D.88/379/EEC amended by D.93/18/EEC (3 rd ATP) Not classified as dangerous
Inventories	TSCA(USA) : Conforms EINECS (EC) : Conforms ENCS (Japan) : Conforms

15. OTHER INFORMATION

Recommended Use	Super absorbent polymers Aqueous fluid absorbent
Reference 1)	Data of contracted laboratory Regulatory information with regard to this substance in your country or in your region Should be examined by your own responsibility.

The information relates to this specific material. It may not be valid for this material, if used in combination with any other materials or in any process.

It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.