

ALPHA SHIELD™

PBFB48961500WFR / PB48961500W
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SECTION I: IDENTIFICATION

Product Identifier Alpha Shield
Company Identification Surface Shields,® Inc
8450 185th Street, Tinley
Park, IL 60487
1 (844) 466 6911
Emergency Number Dial 911
Recommended Use Surface Protection

SECTION 2: HAZARD IDENTIFICATION

Color: White
Physical State: Board or panel
Odor: Inodorous or slight odor
Hazard Classification: No Harm
Signs and Precautionary Statements/Graphic Symbol: None
Signal Word: None
Hazard Statement: Potential safety hazard of slipping.
Eye Protection: Use safety glasses. Safety glasses should be consistent with Directive 89/686/EEC Category 2. If there is a potential for exposure to board which could cause eye discomfort, wear chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent. If exposure causes eye discomfort, use a full face respirator.
Skin Protection: No precautions other than clean body covering clothing should be needed.
Hand Protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. Use gloves with insulation for thermal protection, when needed.
Respiratory Protection: Use an approved air purifying respirator when vapours are generated at increased temperatures or when dust or mist is present. Use the following CE approved air purifying respirator: When dust/mist are present use a/an Particulate filter, type P2. When combinations of vapors, acids, or dusts/mists are present use a/an organic vapour cartridge with a particulate pre-filter, type AP2.

Ingestion: Low toxicity. It may cause choking if swallowed.
Emergency Measures: Avoid contact with eyes. If contact with eyes, flush eyes cautiously with water. Remove the contact lenses, continue flushing.
Other Hazards: Unknown

SECTION 3: COMPOSITION INFORMATION

Chemical Classification: Compound Mixture
Risk Composition:

Chemical Name:	CAS #:	% (w/w)
Polypropylene	9003-07-0	60% - 100%
Flame Retardant		0% - 10%
Filler & Assistant		0% - 30%

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eye thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a doctor, preferably an ophthalmologist.
Skin Contact: If molten material comes in contact with skin, do not apply ice but cool under ice water or running stream of water. Do not attempt to remove the material from the skin. Removal may result in severe tissue damage. Seek medical attention immediately.
Inhalation: Move person to fresh air; if effects occur, consult a doctor.
Ingestion: If swallowed, seek medical treatment. May cause gastrointestinal blockage. Do not induce vomiting unless directed to do so by medical personnel.
Notes to Doctor: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water fog or fine spray. Dry powder fire extinguishers, carbon dioxide fire extinguishers, foam.
Prohibited Fire Extinguishing Agent: Unknown
Special Damage: None
Special Fire Extinguishing Procedure: Evacuate personnel from fire. Isolate fire and prohibit unwanted people from entering fire zone. Soak the burning material thoroughly with water to cool and prevent reignition. If the material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to coolize fire zone. Extinguish small fire with hand held dry power fire extinguisher or carbon dioxide extinguisher.

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SECTION 5: FIRE-FIGHTING MEASURES

Special Protective Equipments for Firefighters: Wear positive pressure self-contained breathing apparatus (SCBA) and protective clothing (including fire helmet, coat, trousers, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6: EMERGENCY TREATMENT MEASURES FOR LEAKOUT

Personal Precautions: Spilled material may cause a slipping hazard. Use appropriate safety equipment.

Environmental Precautions: Prevent from entering soil, ditches, sewers, waterways and / or groundwater.

Elimination Ways: Contain spilled material if possible. Sweep up. Collect in suitable and properly labeled container.

SECTION 7: HANDLING & STORAGE

Handling Precautions: Keep away from heat, sparks and flame. No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for safe handling of product. Avoid breathing process fumes. Use with adequate ventilation. When appropriate, unique handling information for containers can be found on the product label. Workers should be protected from the possibility of contact with molten resin. Do not get molten material in eyes, on skin or clothing. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge.

Storage Precautions: Store in accordance with good manufacturing practices.

Unsuitable Packing Materials: Unknown.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit: Unknown

Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection: Use an approved air-purifying respirator when vapors are generated at increased temperatures or when dust/mist is present. The following should be effective types of air-purifying respirators: When dust/mist are present use a particular filter. When combinations of vapors, acids, or dusts/mists are present use an organic vapor cartridge with a particulate pre-filter.

Eye Protection: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Hand Protection: Use gloves to protect from chemical injury. Selection of gloves will depend on the task. Use gloves with insulation for thermal protection, when needed.

Skin and Body Protection: No precautions other than clean body-covering clothing should be needed.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State: Board or panel

Color: Grey

Odor: Inodorous or slight odor

pH: N/A

Melting Point: 329° - 392°F (165° - 200°C)

Boiling Point: N/A

Flash Point: Not Tested

Blast Limit in Air - Upper: Not Tested

Lower: Not Tested

Vapor Density (25°C / 77°F): Not Applicable

Vapor Pressure (air=1): Not Applicable

Density: 0.9 - 1.1cm³

Solubility: Negligible

Distribution Coefficient (N-octanol/Water): Not Tested

Autoignition Temp: Not Tested

Decompose Temp: Not Tested

Odor Threshold: Not Tested

Evaporation Rate: Not Applicable

Flammability (Solid, Gas): Not Applicable

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SECTION 10: STABILITY & REACTIVITY

Stability:	Stable
Conditions to Avoid:	Products can decompose at elevated temperature.
Incompatible Materials:	Unknown
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition:	Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may cause the releases of irritant smoke and other decomposition. When temperature exceeds the melting point, this product may release polymer fragments. Decomposition products could include and are not limited to: aldehydes, alcohols, organic acids and some other marginal hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure Ways:	Inhalation, skin contact and accident ingestion.
Effects of Over Contact:	No notable harm under normal handling conditions.
Acute Toxicity	
Eye Contact:	Direct contact may cause eye irritation experienced as mild discomfort and redness.
Chronic Toxicity	
Skin Absorption:	Estimated LD50, rabbit > 2000 mg/kg. No serious effects for transitory contact.
Ingestion:	Estimated LD50, rat > 5000 mg/kg. Low ingestion hazards under normal handling.
Inhalation:	Estimated LC50, rat > 50 mg/1(4h, dusts/mist). No serious effects for transitory contact.
Skin:	Repeated or long time contact may cause skin irritation and dermatitis.
Ingestion:	Repeated or massive ingestion may cause physical harm.
Inhalation:	N/A
Repeated Dose Toxicity:	Additives are encapsulated in the product and are not expected to be released under normal processing conditions or foreseeable emergency.
Chronic Toxicity and Carcinogenicity:	N/A
Growth Toxicity:	N/A
Procreation Toxicity:	N/A
Inheritance Toxicity:	N/A

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Not expected to be acutely toxic, but may cause adverse effects by physical/mechanical means.
Resistance & Degradability:	This water-insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.
Potential Bioconcentration:	Potential bioconcentration.
Migration in Soil:	It will remain in the soil in the terrestrial environment. And it will sink into the aquatic environment.
Further Environmental Supplementary Informations:	N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Product Waste Disposal Ways:	Dispose materials in accordance with local regulations.
Packing Waste Disposal Ways:	Dispose materials in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

Road & Rail Transport:	Not regulated
Sea Transport (IMDG):	Not regulated by IMDG codes.
Air Transport (IATA):	Not regulated by IATA
Specific Operational Requirements/ Informations:	None

SECTION 15: REGULATORY INFORMATION

Applicable Regulations:	Regulations for the Safe Use of Chemicals in Workplace [(1996) 423#, sent by Department of Labor] Public Summons for General Rules of Chemicals Classification and Hazard [GB 13690-2009]
Chemical Storage:	
TSCA:	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
AICS:	All substances contained in this product are listed or are exempt from requirements.
DSL:	All substances contained in this product are listed on DSL Inventory or are exempt from DSL Inventory requirements.
IECSC:	All substances contained in this product are listed or are exempt from requirements.
EINECS:	All substances contained in this product are listed or are exempt from requirements.
KECL:	All substances contained in this product are listed or are exempt from requirements.

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SECTION 15: REGULATORY INFORMATION

PICCS: All substances contained in this product are listed or are exempt from requirements.

HSNO: All substances contained in this product are listed or are exempt from requirements.

ENCS/ISHL: All substances contained in this product are listed or are exempt from requirements.

SECTION 16: OTHER INFORMATION

SDS Prepared August 2021
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While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.

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