

SAFETY DATA SHEET



Effective Date: 12 March 2025

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Section 1: Chemical Product and Company Identification

Trade Name: POLAR™

Synonym: Paper Display Board, Print Optimized Light And Recyclable

Manufacturer: 3A Composites, USA, Inc.
Headquarters
721 Jetton Street, Suite 325
Davidson, NC 28036
(704) 872-8974

Emergency Phone Number: **1-800-424-9300 CHEMTREC**
To be used only in the event of chemical emergencies involving a spill, leak, fire, and exposure accidents involving chemicals.

Section 2: Hazard Identification

Hazard Classification: This product is not considered a hazardous chemical by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200), or the United Nation's Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

This product conforms with the definitions of article and solid material within the OSHA Hazard Communication Standard.

Signal Word(s): None required

Hazard Statements: None required

Pictograms: None required

Label elements: No hazard label required as a non-hazardous solid article

Precautionary Statements: Avoid breathing dust that may be created through extensive abrading or cutting. Prevent dust accumulations to minimize explosion hazard.

Description of other hazards: The product and dust or trimmings created through use or further processing of the product are assumed combustible. Limit buildup of dust within processing areas.

A combustible dust analysis including variables including relative humidity, dust deposition rate, airborne dust concentrations, and range of particle size may be required for end processors. Maintain housekeeping standards to prevent visible dust buildup on surfaces.

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Section 3: Composition/Information on Ingredients

Component	CAS Number	Percent (%) by Weight
Paperboard	Not applicable	90-99
Non-hazardous adhesive	Not applicable	1-10

Section 4: First Aid Measures

General Notes:

This product is not considered to be a health hazard in the form in which sold (sheet, panel). However, if this product is abraded, cut, or processed in any manner that causes release of dusts, hazardous levels of dust may be generated from this product.

First Aid: Inhalation

Remove to fresh air and contact a physician.

First Aid: Ingestion

Not a likely route of exposure for normal use of product.

First Aid: Skin

Generally, the product does not irritate the skin.

First Aid: Eyes

Flush immediately with water to remove dust particles. If irritation persists, seek medical attention.

Section 5: Firefighting Measures

Extinguishing media:

Water, foam, CO₂, dry chemical powder.

Special firefighting procedure:

In the event of a fire, self-contained breathing apparatus should be worn.

Thermal decomposition:

May produce water, carbon monoxide, carbon dioxide, and smoke upon combustion.

NFPA

Health

0

Flammability

1

Instability

0

Physical Hazards

0

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Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: A release should not occur. However, if this product is abraded or cut, dusts may be generated. Should a release of dusts occur, contain by blocking routes to surface water and grassy areas. Clean up by sweeping and depositing into a closed container.

PPE Requirements: Safety glasses, dust respirator and gloves.



Section 7: Handling and Storage

Storage: Store in a flat, dry area. Avoid storage and handling near open flames or heat sources.

Handling: Practice good personal hygiene when handling product. Avoid blowing dust with compressed air.

Section 8: Exposure Controls

Component	OSHA Exposure Limit		ACGIH
	Total	Respirable	TLV
Paperboard (as a nuisance dust)	15 mg/m ³	5 mg/m ³	10 mg/m ³ inhalable 3 mg/m ³ respirable

Note: Nuisance dust may be generated during certain cutting operations. OSHA considers nuisance dust as Particulates Not Otherwise Regulated (PNOR).

Personal Protective Equipment

General hygienic measures:	Wash hands after handling
Eye/face protection:	Safety glasses suggested in industrial use
Skin protection:	Gloves suggested for industrial use requiring repeated handling
Respiratory protection:	May be required when visible dusts are generated

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Section 9: Physical and Chemical Properties

Appearance:	Solid sheet or formed
Odor:	None
Odor Threshold:	None
pH:	Not Available
Melting Point:	Not Available
Initial Boiling Point/Boiling Range:	No Data
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Flammability:	May form combustible dust concentrations in air
Upper/lower Explosive Limit:	Not Applicable
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Specific Gravity:	Not Available
Solubility:	Insoluble in water
Partition Coefficient:	No data available
Auto-Ignition:	450 °F (233 °C)
Decomposition Temperature:	No Data
Viscosity:	Not Applicable

Section 10: Stability and Reactivity

Reactivity:	No data available
Chemical Stability:	Stable
Incompatible materials:	None known
Conditions to avoid:	None known
Hazardous Decomposition Products:	Reference: "Thermal decomposition", Section 5

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Section 11: Toxicological Information

Acute toxicity: Physical irritation of the eyes may result from overexposure to high concentrations of dust from certain fabricating operations.

Chronic toxicity: No chronic health effects are expected.

Potential routes of exposure/potential health effects

Skin corrosion/irritation: None expected

Eye damage/irritation: None expected in normal use

Inhalation: Potential irritation if fine dust is inhaled for extended periods

Ingestion: No hazardous effect expected

Carcinogenic effects: None known or expected

Mutagenic effects: None known or expected

Reproductive toxicity: None known or expected

Sensitization: None known or expected

Target organ toxicity: None determined

Section 12: Ecological Information

Ecotoxicity: This product is not classified as hazardous to the environment

Persistence and degradability: This product is intended for recycling as paper or cardboard

Bioaccumulation: Not expected to bioaccumulate

Mobility in soil: No information available

Other adverse effects: None known or expected

Section 13: Disposal Information

Waste disposal recommendations:

Dispose of waste materials in accordance with Federal, State, and local regulations. This product is intended for recycling as paper or cardboard.

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Section 14: Transportation

DOT regulations: Not regulated

IMDG regulations: Not regulated

Section 15: Regulatory Information

Proposition 65: (California Only)

This product does not contain any chemicals requiring labeling for cancer or reproductive harm by the State of California. For more information, go to www.P65Warnings.ca.gov.

REACH:

Pursuant to Title II article 7 of the regulation this product is exempt from registration and notification and is therefore compliant with the REACH regulation. The information herein is provided by 3A Composites as courtesy to its customers and a part of its service efforts. The sheets do not contain any substances on the candidate list for inclusion in Annex XIV of REACH above the threshold level of 0.1% by weight of the article.

ROHS:

The POLAR™ product is compliant with the RoHS standard.

TSCA:

All ingredients of this product are either listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

CERCLA:

This product does not contain ingredients which are subject to the reporting requirements of CERCLA.

SARA 313 Information:

This product does not contain a chemical ingredient(s) with known CAS Number to exceed the de *minimis* reporting levels established by SARA Title III, section 313 and 40 CFR section 372 depending upon pulp inventory.

SARA 311/312 Hazard Category:

This product has been reviewed according to the EPA "Hazard Categories: promulgated under SARA Title III, Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

An immediate acute) health hazard	No
A delayed (chronic) health hazard	No
A corrosive hazard	No
A fire hazard	No

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A reactivity hazard

No

A sudden release hazard

No

Section 16: Other Information

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Definition of Common Terms:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS#: Chemical Abstracts System Number

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: U. S. Department of Transportation

EPA: U.S. Environmental Protection Agency

IMDG: International Maritime Dangerous Goods

N/A: Not Applicable

NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals

RoHS: Restriction of Hazardous Substances used in electronic equipment

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

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