



SAFETY DATA SHEET



Gemini, Incorporated: 103 Mensing Way, Cannon Falls, MN 55009 Made in the USA

Issue: 5/31/2013

Section 1 Chemical Product and Company Identification

Product Name: **Engraving Stock/ABS**
 Manufacturer: Gemini, Incorporated
 Telephone: 507-263-3957 Fax: 507-263-4887
 Address: 103 Mensing Way, Cannon Falls, MN 55009
 Formula: Mixed Chemical ID: GEB. AL. AM 4153-601 AL
 CYCOLAC film (NFPA)



Potential Hazards:
FIRE 1: RESPIRATORY 1

Section 2 Hazards(s) Identification

Health: 1 Fire: 1 Reactivity: 0 Special: 0 →

*Product is stable and non-hazardous as shipped.
 Reprocessing product or sheet will produce other hazards.
 * Warning! Molten material will produce thermal burns.

Note: NFPA scale
 0=insignificant
 1=slight
 2=moderate
 3=high
 4=extreme

Section 3 Composition/Information on Ingredients

Ingredients	Cas#	Percent%	TWA	OSHA PEL	ACGIH/TLV
This product does not contain reportable hazardous materials. Nuisance dust and vapor may be present during processing.					
1 Surface film		≤1	No OSHA chemicals present		
2 Nuisance dusts (as particulates)				5mg/m ³	10mg/m ³

Section 4 First Aid Measures

*** Product as shipped does not present any health or safety hazards. Processing may release chemicals in section 3.**

Eyes Vapors from heated product can irritate the eyes. Move subject to fresh air. Flush eyes with plenty of water for at least 15 minutes. Seek medical help.

Skin Possible skin irritation. Contact with molten material can result in burns. Seek medical help.

Inhalation Not an inhalation hazard, but vapors when heated may cause irritation. Seek medical help for inhalation of smoke.

Ingestion *Low hazard associated with normal conditions-induction of vomiting is not necessary. Seek is medical advice.

Carcinogenicity N/A

Section 5 Fire Fighting Measures

Extinguishing Media: Water spray & foam. Carbon dioxide and dry chemical agents are not recommended.

Special Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: Intense heat, smoke, CO, CO³, hydrocarbon fragments hydrogen cyanide.

General Hazards: Does not pose a significant fire or explosion hazard as shipped. Fire and explosion may occur when material is in the form of dust and exposed to spark, heat or flames, static discharge, or chemical reaction. Avoid contact with oxidizing materials.

Section 6 Accidental Release Measures

* No precautions are necessary for spills of bulk material.
 * If large quantity of dust are spilled, remove by sweeping. Do not generate airborne dust clouds due to potential for explosive dust hazards. Place dust in a labeled container and ship to a recycler.

Section 7 Handling and Storage

Store in cool dry place. Avoid excessive heat and ignition sources.

* Dust and scraps should be recycled.
 * CAB should be stored in dry areas only.
 * Any waste disposal must meet federal, state, and local laws and regulations.
 * In general, any waste stream must be tested or the generator must have absolute knowledge of toxicity levels.

Section 8 Exposure Controls/Personal Protection

Ventilation: Local exhaust is required when dust or vapor is above the OSHA PEL or TWA limits.
Respiratory Protection: NIOSH or MSHA approved respirators are recommended. Respirator is required when exposure is above OSHA PEL or TWA. Testing is suggested for dust or vapor.
Gloves: Recommended when handling sharp edges and hot materials.
Eyes: Safety glasses or goggles should be worn when exposed to dust or hot materials.
Special PPE: If close proximity to molten product wear face shield.
If material is heated, wear gloves to protect against thermal burn.

Section 9 Physical and Chemical Properties

*Physical State: Solid
*Flash Point: Not applicable
*Specific Gravity (water =1): >1
Combustible Solid
*Odor: Slight
*Vapor Density (air =1): Not applicable
Auto ignition temp: >300°C (surface film)
*Solubility in water: Not applicable
Melting: >220°C (surface film)

Section 10 Stability and Reactivity

Stability: *Stable at room temperature. Stable as shipped.
*Stability untested when process.
Incompatibility: *Reacts with strong oxidizing agents, acids, and bases.
Hazardous Polymerization: * Will not occur.
Hazardous decomposition: thermal decomposition or combustion may emit smoke, vapors, CO, and CO₂
Conditions to avoid: Temperatures >300°C

Section 11 Toxicological Information

General: The additives are embedded in a tough plastic matrix which minimizes the likelihood of exposure to additives. Exposure is unlikely as shipped.

Section 12 Ecological Information

* **Products as shipped pose no ecological hazards.**
Thermal decomposition: thermal decomposition or combustion may emit smoke, vapors, CO, and CO₂
WHMIS CLASSIFICATION: D2

Section 13 Disposal Considerations

* **Product as shipped is not hazardous.**
* Dust and scraps should be recycled.
* Any waste generated/disposal must meet federal, state, and local laws and regulations.
* In general, any additives containing metals should be tested locally for toxicity for disposal determination.
* Incineration is suggest. Discharge, treatment, or waste may be subject to state and local laws.

Section 14 Transport Information (not regulated)

Product is not regulated and is not classified by DOT as hazardous

Section 15 Regulatory Information

* Gemini's products meet OSHA 1910.1200 section (6) as articles. SDS is not required if the form is not altered. This SDS is produced as additional information for those who intend on altering this product and generating dust, vapors, and wastes in the process.

Section 16 Other Information none

Ref: Safe data from resin supplier
EXABS01-NA1000