NoMark® Plus
Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Rowmark, Inc.
2040 Industrial Drive
Findlay, OH 45840
USA

EMERGENCY PHONE NUMBERS:
Medical: 911
Poison Control: 800-589-3897

Telephone Numbers	Phone Number	Available Hours
Rowmark Customer Service	1-877-ROWMARK	7:00am-5:00pm EST
International	419-425-8974	

Product Name: NoMark® Plus
Product Synonym(s): Film-stamped ABS
Chemical Family: Polymer
Chemical Formula: Mixture
Chemical Name: Mixture
EPA Reg Number:
Product Use: Signage, Other

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Registry Number	Typical Wt. %	OSHA
Acrylonitrile/butadiene/styrene resin	9003-56-9	90-100%	
Aluminium Flake	7429-90-5	1-5%	
Carbon Black	1333-86-4	1-5%	
Copper	7440-50-8	1-5%	
May contain the following:			
Mineral oil	008042-47-5	0-2%	
Tallow	008030-12-4	0-2%	
Wax	000110-30-5	0-2%	

The substance(s) marked with a “Y” in the OSHA column are identified as hazardous chemicals according to the criteria of the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

While this material is not classified as hazardous under Federal OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

The components of this product are all on the TSCA Inventory list.

3. HAZARDS INDENTIFICATION

Emergency Overview:
APPEARANCE: Various colors; Characteristic odor

Potential Health Effects:
EYE: Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Essentially non-irritating to the skin. Mechanical injury only. Under normal processing conditions, material is heated to elevated temperatures; contact with the material may cause thermal burns. No adverse effects anticipated by skin absorption.

INGESTION: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

INHALATION: Dust may cause irritation to upper respiratory tract (nose and throat).

4. FIRST AID MEASURES

IF IN EYES: Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected.

IN CASE OF CONTACT: If molten material comes in contact with the skin, do not apply ice but cool under ice water or running stream of water. DO NOT attempt to remove the material from skin. Removal could result in severe tissue damage.

IF INHALED: Move person to fresh air; if effects occur, consult a physician.

5. FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature:		N/A
Flash Point:		N/A
Flammable Limits:	Upper:	N/A
	Lower:	N/A

EXTINGUISHING MEDIA:
Use water spray, carbon dioxide, foam or dry chemical.

FIRE FIGHTING INSTRUCTIONS:
Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

FIRE AND EXPLOSION HAZARDS:
Heated material can form flammable vapors with air. Can include carbon monoxide, carbon dioxide, small quantities of nitric oxides (NO_X), trace levels of hydrogen chloride and acetic acid.

6. ACCIDENTAL RELEASE MEASURES

PROTECT PEOPLE: Chips or dust may present a slipping hazard.

CLEANUP: Sweep up chips or dust in a waste disposal container. Flush area with water.

7. HANDLING AND STORAGE

HANDLING: Good housekeeping and controlling dusts are necessary for safe handling of product. Workers should be protected from the possibility of contact with molten resin during fabrication. Large masses of molten polymer held at elevated temperatures for extended periods of time may auto-ignite.

STORAGE: Store horizontally in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Adequate ventilation in work area is needed due to dust or vapors created during fabrication.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE/FACE PROTECTION: Safety glasses or face shield should be used. If exposed to dust, chemical glasses may be required.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed. Use insulated gloves for thermal protection, when desired.

RESPIRATORY PROTECTION: In dusty atmospheres, use an approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: Various colors, characteristic odor

BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 1.05-1.12

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Avoid temperatures above 572º F (300º C). Such exposure can cause product to decompose.

11. TOXICOLOGY INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

MOVEMENT & PARTITIONING: No bioconcentration is expected because of the relatively high molecular weight (MW >1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

DEGRADATION & PERSISTENCE: This water insoluble polymeric solid is expected to be inert in the environment. Surface photo degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

ECOTOXICITY: Not expected to be acutely toxic, but chips may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with applicable governmental regulations.

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: This product is not regulated by TDG when shipped domestically by land.

15. REGULATORY INFORMATION

(Not meant to be all-inclusive – selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS

SARA 313 INFORMATION: This product may contain chemicals which are listed in Section 313 above the minimum concentration.

Aluminium
Copper

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:
This product may contain trace levels of a component or components known to the state of California to cause birth defects or other reproductive harm:

Toluene
Mercury

This product may contain trace levels of components known to the state of California to cause cancer:

Antimony (3+) Trioxide
Arsenic
Cadmium
Chromium (6+)
3.3'-Dichlorobenzidine
Ethyl Acrylate
Formaldehyde
Lead
Nickel
Selenium Sulphide

TOXIC SUBSTANCES CONTROL ACT (TSCA):
All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

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15. REGULATORY INFORMATION (cont'd)

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of:

New Jersey

PENNSYLVANIA RIGHT TO KNOW
This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Chromium (3+)
Formaldehyde

MASSACHUSETTS RIGHT TO KNOW
This product does contain the following chemicals(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Antimony (3+) Trioxide
Arsenic
Cadmium
Chromium (3+), (6+)
3.3'-Dichlorobenzidine
Formaldehyde
Lead
Nickel
Vinyl Acetate

16. OTHER INFORMATION

NFPA HAZARD RATING (National Fire Protection Association):

Fire
1
Health 0 0 Reactivity
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Special

FIRE: Materials that must be preheated before ignition can occur.

HEALTH: Materials that under emergency conditions would offer no hazard beyond that of ordinary combustible materials.

REACTIVITY: Materials that in themselves are normally stable, even under fire exposure conditions.

REASON FOR ISSUE:

The information herein is given in good faith, but no warranty, express or implied, is made. Consult Rowmark, Inc. for further information.