



**DurMark™**  
Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Rowmark Europe

Schaarbeekstraat 44  
9120 Beveren - Waas  
Belgium

### EMERGENCY PHONE NUMBERS:

Medical: 911  
Poison Control: 800-589-3897

Telephone Numbers  
Rowmark Customer Service  
International

Phone Number  
+32 3 870 4110

Available Hours  
7:00am-5:00pm

Product Synonym(s): Micro-Surfaced Impact Acrylic

Chemical Family: Acrylic Copolymer

Chemical Formula: Mixture

Chemical Name: Mixture

EPA Reg Number:

Product Use: Interior/Exterior Signage, Personal Identification, Other

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Registry Number</u>	<u>Typical Wt. %</u>
P (EA/MMA)	Proprietary	50-54
Acrylic Styrene Copolymer	Proprietary	35-50
Ethyl acrylate	140-88-5	< 0.1
Methyl methacrylate	80-62-6	< 0.5
Carbon Black	1333-86-4	1-5
Copper	7440-50-8	1-5
Aluminium Flake	7429-90-5	1-5

While this material is not classified as hazardous, this MSDS contains valuable information critical to the proper handling and correct use of this product. This MSDS should be retained and accessible for employees and other users of this product.

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

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

Sheet material, various sizes, and mild odor.

**CAUTION! MELT PROCESSING RELEASES VAPORS WHICH MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION**

### POTENTIAL HEALTH EFFECTS:

Skin contact and inhalation of dust are expected to be the primary routes of occupational exposure to this material. Due to its chemical and physical properties, this material does not require special handling other than the good industrial hygiene and safety practices employed with any industrial material of this type.

Ethyl acrylate is listed as a substance that may reasonably be anticipated to be a carcinogen by the National Toxicology Program (NTP) and is classified as "possibly carcinogenic to humans" by the International Agency for Research on Cancer.



#### 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. Get medical attention if irritation persists.

IN CASE OF CONTACT:

If molten material comes in contact with the skin, do not apply ice but cool under running stream of water. DO NOT attempt to remove the material from the skin. Removal could result in severe damage. Wash clothing before reuse. Get medical attention if irritation develops and persists.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

#### 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:

Auto-Ignition Temperature	393 C/739 F
Flash Point – NA	Flash Point Method
Flammable Limits:	Upper – NA
	Lower –NA

EXTINGUISHING MEDIA:

Water fog or spray, foam, dry chemical or carbon dioxide.

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.

#### 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK:

Contain spill. Sweep or scoop up and remove to suitable container. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

#### 7. HANDLING AND STORAGE

**HANDLING:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed. Use only with adequate ventilation.

**STORAGE:**

Avoid temperature extremes during storage; ambient temperature preferred.

**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:**

1.15-1.19

**10. STABILITY AND REACTIVITY****CHEMICAL STABILITY:**

Stable

**CONDITIONS TO AVOID:**

Prolonged contact with acids, alkalis and strong oxidizing agents may attack or dissolve the polymer.



## 11. TOXICOLOGY INFORMATION

No data available

## 12. ECOLOGICAL INFORMATION

### MOVEMENT & PARTITIONING:

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

### **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

· **Marine pollutant:** Symbol (fish and tree)

**Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(selenium dioxide, zinc sulphate (hydrous) (mono-, hexa-and hepta hydrate) )

## 15. REGULATORY INFORMATION

Symbols according to

GefStoffV1:

Xn Harmful N (Dangerous for the environment)

Contains selenous acid and nickel sulfate

Hazard statements (R-phrases):

R 49 May cause cancer by inhalation

R 20/22 Harmful by inhalation and if swallowed

R 38 Irritating to skin

R 42/43 May cause sensitisation by inhalation and skin contact

R 48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety advice (S-phrases):

S 20/21 When using do not eat, drink or smoke

# Rowmark®

1 German Hazardous Substances Act, *Gefahrstoffverordnung*

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S 28 After contact with skin, wash immediately with plenty of water

S 53 Avoid exposure - obtain special instructions before use

S 45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S 60 This material and its container must be disposed of as hazardous waste

S 61 Avoid release to the environment. Refer to special instructions/safety data sheet.

TA Luft2: 5.2.7.1.1 (carcinogenic substances) Class II

## 16. OTHER INFORMATION

NFPA HAZARD RATING (National Fire Protection Association):

FIRE:

Must be preheated before ignition can occur.

HEALTH:

Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

REACTIVITY:

Normally stable, even under fire exposure conditions, and are not reactive with water.

REASON FOR ISSUE: