

# Safety Data Sheet

acc. To OSHA HCS

Reviewed on 16 Feb 2024

Printing date 16 Feb 2024

**Trade Name:** RocketMolds™ (Polyethylene)

## 1 Identification

### 1.1 Product identifier

**Trade name:** RocketMolds™ (Polyethylene)  
Product Code: E0641, E0642, E0643, E0644

### 1.2 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

SpecializedRx Products, LLC  
3787 95<sup>th</sup> Ave NE Suite 100  
Circle Pines, MN 55014 USA  
www.specializedrx.com  
sales@specializedrx.com

**Information department:**

Tel.: 1-888-512-1209  
Fax: 1-612-424-8481

### 1.3 Emergency telephone number:

Emergency Telephone:  
US: 1-888-512-1209  
International: 1-888-512-1209

## 2 Hazard(s) identification

**GHS Signal Word:** N/A

**GHS Hazard Phrases:**

Not applicable

**NFPA Ratings:** Health: 1, Flammability: 1, Reactivity: 0

**EU Classification:**

**Safety Phrases:**

S22: Do not breathe dust.

**IMMEDIATE HEALTH EFFECTS:** Eye: If this material is heated, thermal burns may result from eye contact. Contact with the eyes may cause irritation due to the abrasive action of the dust. Not expected to cause prolonged or significant eye irritation. Material is dusty and may scratch the surface of the eye. Skin: Thermal burns to the skin: may include pain or feeling of heat, discoloration, swelling, and blistering. If this material is heated, thermal burns may result from skin contact. Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. Ingestion: Not expected to be harmful if swallowed. Inhalation: The dust from this material may cause

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respiratory irritation. If this material is heated, fumes may be unpleasant and produce nausea and irritation of the upper respiratory tract.

## 3 Composition/information on ingredients

Component	CAS Number	Amount	EINECS	SYM	R-Phrases
Polyethylene	9002-88-4	<100%	Exempt	NA	NA
Additives	Various	<4%	NA	NA	NA

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

## 4 First-aid measures

Eye: Flush eyes with running water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get immediate medical attention. If heated material should splash into eyes, flush eyes immediately with fresh water for 15 minutes while holding the eyelids open. Remove contact lenses, if worn. Get immediate medical attention. Skin: To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. Get medical attention if any symptoms develop. If the hot material gets on skin, quickly cool in water. See a doctor for extensive burns. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve it. The use of vegetable oil, mineral oil, or petroleum jelly is recommended for removal of this material from the skin. Ingestion: If swallowed, do not induce vomiting. Give the person a glass of water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person. Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

## 5 Fire-fighting measures

Explosive dust clouds may be produced.

FIRE CLASSIFICATION: OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

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NFPA RATINGS: Health: 1 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES: Flashpoint: 340°C (644°F) Autoignition: 380°C (716°F) Flammability (Explosive) Limits (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

PROTECTION OF FIRE FIGHTERS: Fire Fighting Instructions: If possible, water should be applied as a spray from a fogging nozzle since this is a surface burning material. The application of high velocity water will spread the burning surface layer. This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. Combustion Products: Incomplete combustion can also produce formaldehyde. Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, original monomer, other hydrocarbons and hydrocarbon oxidation products, depending on temperature and air availability.

## 6 Accidental release measures

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material. Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8. Spill Management: Refer to OSHA Standard 29 CFR 1910.1026(j) Chromium (VI) Cleaning Methods for proper methods of cleaning. Reduce airborne dust and prevent scattering by moistening with water.

Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. If heated material is spilled, allow it to cool before proceeding with disposal methods. Avoid creating dust clouds. Shovel, sweep up or use industrial vacuum cleaner to pick up. Place in container for proper disposal. Reporting: U.S.A. regulations may require reporting spills of this material that could reach any surface waters. Report spills to lo

## 7 Handling and storage

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. REFER TO PRODUCT LABEL OR MANUFACTURERS TECHNICAL BULLETINS FOR THE PROPER USE AND HANDLING OF THIS MATERIAL. Precautionary Measures: Use caution to avoid creation of dusts and to prevent

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inhalation of product dust (fines). Avoid contact with product dust. Airborne dust concentrations above 20 mg/L may create a dust explosion hazard. Keep out of water sources and sewers. Spilled pellets may create a slipping hazard. Avoid breathing vapors or fumes which may be released during thermal processing. Do not breathe dust at levels above the recommended exposure limits. Avoid breathing material. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Discard contaminated clothing and shoes or thoroughly clean before reuse. Avoid contact of heated material with eyes, skin, and clothing. Do not breathe dust. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Unusual Handling Hazards: Potentially toxic/irritating fumes may be evolved from heated material. At temperatures (>350°F, >177°C), polyethylenes can release vapors and gases, which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. These substances may include acetaldehyde, acetone, acetic acid, formic acid, formaldehyde and acrolein. Based on animal data and limited epidemiological evidence, NTP, IARC (2A), and OSHA have listed formaldehyde as a probable human carcinogen. Following all recommendations within this MSDS should minimize exposure to thermal processing emissions. Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations, which have the potential of generating an accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids, National Fire Protection Association (NFPA 77), Recommended Practice on Static Electricity' (liquids, powders and dusts), and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents' (liquids). General Storage Information: Treat as a solid that can burn. Store away from oxidizing materials, in a cool, dry place with adequate ventilation. Bond and ground transfer equipment. DO NOT USE OR STORE near heat, sparks or open flames. USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use. Empty non-returnable containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner, or disposed of properly. DO NOT USE OR STORE near heat, sparks or open flames. USE AND STORE ONLY IN WELL VENTILATED AREA. Container Warnings: Containers, even those that have been emptied, can contain residues of dusts or

## 8 Exposure controls/personal protection

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**Trade Name:** RocketMolds™ (Polyethylene)

Material Name	LIMIT	TWA	STEL	Ceiling	Notation
Polyethylene	ACGIH	3mg/m <sup>3</sup>	NA	NA	NA
Additives	ACGIH	Not Established	NA	NA	NA

**GENERAL CONSIDERATIONS:** Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**ENGINEERING CONTROLS:** Use in a well-ventilated area. If handling results in dust generation, special ventilation may be needed to ensure that dust exposure does not exceed the OSHA PEL for nuisance dust. If heated material generates vapor or fumes, use process enclosures, local exhaust ventilation, or other engineering controls to control exposure.

**PERSONAL PROTECTIVE EQUIPMENT:** Eye/Face Protection: Wear eye protection such as safety glasses, chemical goggles, or faceshields if engineering controls or work practices are not adequate to prevent eye contact. If this material is heated, wear chemical goggles or safety glasses and a face shield. Skin Protection: If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate to prevent skin contact. Respiratory Protection: No respiratory protection is normally required. If heated material generates vapor or fumes that are not adequately controlled by ventilation, wear a NIOSH approved respirator. Use the following elements for air-purifying respirators: Organic Vapor and Formaldehyde. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Appearance:** Opaque, translucent waxy pellets or fluff, mild odor

**Form:** pellets

**Odor:** Typical odorless to mild

Autoignition: Not applicable

Boiling Point: NA

Density: 0.83 g/cm<sup>3</sup> - 0.97 g/cm<sup>3</sup>

Evaporation Rate: NA

Flammability (Explosive) Limits (% by volume in air): Lower: NA Upper: NA

Flashpoint: Not applicable

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**Trade Name:** RocketMolds™ (Polyethylene)

Molecular Formula: Mixture  
Molecular Weight: NDA  
Melting Point: Variable  
Octanol / Water Partition Coefficient: log-Kow: NDA  
pH: NA  
Pour Point: NDA  
Solubility (in water): Negligible  
Vapor Pressure: NA  
Vapor Density (AIR=1): NA  
Viscosity: NA  
Percent Volatile: NDA

## 10 Stability and reactivity

**Chemical Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. **Conditions to Avoid:** Not Applicable **Incompatibility With Other Materials:** May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. **Hazardous Decomposition Products:** Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing. **Hazardous Polymerization:** Hazardous polymerization will not occur.

## 11 Toxicological information

**IMMEDIATE HEALTH EFFECTS:** Acute Oral Toxicity: Polyethylene: NOAEL / rat / > 7950 mg/kg  
Acute Dermal Toxicity: LD50 / not known  
Acute Inhalation Toxicity: LD50 / not known  
**Eye Irritation:** This material is not expected to be irritating to the eyes. **Skin Irritation:** This material is not expected to be irritating to the skin. **Sensitization:** Dermal - not a sensitizer / human  
**ADDITIONAL TOXICOLOGY INFORMATION:** This product contains POLYMERIZED OLEFINS. During thermal processing (>350°F, >177°C) polyolefins can release vapors and gases (aldehydes, ketones and organic acids) which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. Generally these irritant effects are all transitory. However, prolonged exposure to irritating off-gases can lead to pulmonary edema. Formaldehyde (an aldehyde) has been classified as a probable human carcinogen by NTP, IARC (2A), and OSHA based on animal data and limited epidemiological evidence. The toxicological properties of this product have not been tested or have not been tested completely and its handling or use may be hazardous. **EXERCISE DUE CARE.** Long-term exposure to high dust concentrations may cause non-debilitating lung changes.

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## 12 Ecological information

**ECOTOXICITY:** This material is not expected to be harmful to aquatic organisms. Fish or birds may eat pellets which may obstruct their digestive tracts.

**ENVIRONMENTAL FATE:** This material is not expected to be readily biodegradable.

## 13 Disposal considerations

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

## 14 Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition). Consult the appropriate domestic or international modespecific and quantity- specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the MSDS and the bill of lading. Shipping Descriptions per regulatory authority.

US DOT

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

ICAO / IATA

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

IMO / IMDG

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

RID / ADR

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

## 15 Regulatory information

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SARA 311/312

Hazard categories

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

WHMIS CLASSIFICATION: This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

CHEMICAL INVENTORY LISTINGS:

AUSTRALIA NO (AUS)

CANADA YES (DSL)

CHINA YES (IECSC)

EUROPEAN UNION NO - Exempt (EINECS/ELINCS)

JAPAN NO (ENCS)

KOREA YES (ECL)

PHILIPPINES NO (PICCS)

UNITED STATES YES (TSCA)

EU LABELING: Symbols: NA - Not Applicable Risk and Safety Phrases:

S22: Do not breathe dust.

## 16 Other information

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

### Department issuing SDS:

SpecializedRx Products, LLC

Quality Assurance

Contact: [sales@specializedrx.com](mailto:sales@specializedrx.com)

Date of preparation / last revision: 16 Feb 2024

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances



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CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit