



Product SDS

Reference date 5/20/10 Revision date: 7/24/14

01. Identification of the substance/mixture and of the company

Product name: Pull-tight locks

Code number(s): 9393, 5030

Purpose of product: These locks can be pulled to varied degrees of tightness. They are ideal when a tight-fitting seal is required.

Manufacturer/supplier: Healthmark Industries Co.

Address: 18600 Malyn Blvd. / Fraser, MI 48026

Telephone/Fax/Email: (800) 521-6224 / (586) 491-2113 / healthmark@hmark.com

Emergency telephone number: (800) 424-9300 (24-hours service)

02. Hazards identifications

Classification of the substance or mixture: 1-Propene homopolymer isotact, ethylene/propylene copolymer, polyethylene

Adverse environmental and human health effects: Combustible particulate solids (combustible dust) of sufficiently small particle size when suspended in air in the presence of an ignition source can result in a fire or explosion. Adequate housekeeping and control of ignition sources should be provided. See NFPA 854.

Potential health effects:

Pre-existing medical conditions: May be aggravated to exposure of this product, especially respiratory system and skin conditions.

Inhalation: Inhalation of fumes, vapors, and smoke from thermal processing may cause irritation to the upper respiratory tract. Symptoms may include burning sensation, coughing, and sore throat.

Skin: Contact with heated product may cause thermal burns.

Eyes: Contact with heated product may cause thermal burns. Slight irritation from contact with pellets may occur. Possible irritation from fumes, vapors, or smoke from thermal processing.

Ingestion: No effect expected if product is ingested.

03. Composition/information on ingredients

Description of the mixture:

1-Propene homopolymer isotact	CAS #25085-53-4	55-97% volume
Ethylene/propylene copolymer	CAS #9810-79-1	3-25% volume
Polyethylene	CAS # 9002-88-4	3-25% volume

Hazardous ingredients: N/A

04. First aid measures

General information: N/A

Following inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get medical attention.

Following skin contact: For hot product, immediately immerse in or flush the affected areas with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

Following eye contact: For contact with molten product, flush immediately with plenty of cool water for at least 15 minutes. Get medical attention.

Following ingestion: First aid is not normally required.

Notes for the doctor: N/A

05. Firefighting measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical

Unsuitable extinguishing media: N/A

Special hazards arising from the substance and combustion products: N/A

Advice for firefighters: The use of fresh air equipment such as self-contained breathing apparatus (SCBA) or supplied air respirators should be worn for firefighting if exposure or potential exposure to products of combustion is expected. Wear structural firefighting gear.

06. Accidental release measures

General information: Vacuum or sweep up material and place in a disposal container. Loose pellets may present a slipping hazard. Clean up spills immediately, observing precautions in Section 08. The very fine particles can cause a fire or explosion.

Environmental precautions: N/A

Additional information: N/A

07. Handling and storage

Precautions for safe handling: Avoid breathing vapors from heated material. Follow all SDS/label precautions even after container is emptied because it may retain product residue. Minimize dust generation and accumulation. Store in a cool, dry place.

Hazardous decomposition products: Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiates.

Hazardous polymerization: Will not occur

08. Exposure controls/personal protection

Control parameters: Consult with a health and safety professional for specific selections.

Personal protective equipment: See below

Hand protection: Wear insulated impervious protective gear to protect against the splash of hot product.

Respiratory protection: Half-masked air purifying respirator with combination organic vapor and HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator

with combination organic vapor and HEPA filter cartridges is acceptable for exposure to fifty (%) times the exposure limit.

Eye protection: Splash proof chemical goggles are recommended to protect against the splash of product. Full-face shield is recommended to protect against splash of hot product.

Advice on general occupational hygiene: Facilities storing or utilizing this material should be equipped with an eyewash facility or a safety shower.

Environmental exposure controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. General dilution ventilation may assist with the reduction of air containment concentrations.

Component	CAS #	Governing Body	Exposure Limits	Amount (% volume)
Limit for the product		ACGIH	TLV	10mg/m ³

09. Physical and chemical properties

Appearance: White powder

Physical state: N/A

Color: White

Odor: Odorless

Safety relevant basic data: N/A

Explosion hazard: N/A

Density: N/A

pH: N/A

Initial boiling point/range: °C /°F N/A

Solubility: Negligible in water

Flash point: °C /°F N/A

Ignition temperature: °C /°F N/A

Melting point: 150-170°C

Conditions to avoid: None known

Incompatible materials: Strong oxidizers such as chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, sodium hypochlorite, calcium hypochlorite and permanganates, chlorine, nitric acid

10. Stability and reactivity

Test spot partial soluble in water:

Hazardous decomposition products: Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiates.

Other information:

11. Toxicological information

Information on toxicological effects: N/A

Irritation: N/A

Sensitization: N/A

Inhalation: N/A

Practical experiences: N/A

Ingredient: Polypropylene has been tested in laboratory rats by subcutaneous implantation of discs or powder. Local sarcomas were induced at the site of implantation. No epidemiological studies or case reports suggest any serious chronic health hazards from long-term exposure to polypropylene decomposition products below the irritation level.

12. Ecological information

Terrestrial toxicity: N/A

Aquatic toxicity: N/A

Mobility: N/A

Persistence and degradability: N/A

Bio accumulative potential: N/A

Results of PBT and vPvB assessment: N/A

Other adverse effects: N/A

13. Disposal considerations

Product: Follow federal, state, and local regulations. Contact an authorized disposal service.

Contaminated product: N/A

Uncontaminated product: N/A

14. Regulatory information

Material safety evaluation: N/A

Regulation on combustible liquids: N/A

Class according 2009/104/EG (BetrSichV): N/A

Water hazard class: N/A

Storage according TRGS 510 (Storage of hazardous substances in non-stationary containers): N/A

Hazard ratings: 0=least, 1=slight, 2=moderate, 3=high, 4=extreme

	Health	Fire	Reactivity	PPI
NFPA	1	1	0	
HMIS	0	1	0	X

Regulatory List	Component	CAS #
IARC- Group 3 (not classifiable)	Polyethylene	9002-88-4
Inventory- Australia (AICS)	1-propene, homopolymer isotact	25085-53-4
Inventory- Australia (AICS)	Ethylene/propylene copolymer	9010-79-1
	Polyethylene	9002-85-4
Inventory- Canada – Domestic Substances List	1-propene	25085-53-4
	Homopolymer isotact	9010-79-1
	Ethylene/propylene copolymer	
	Polyethylene	9002-88-4
Inventory- China	1-propene, homopolymer isotact	25085-53-4
	Ethylene/propylene copolymer	9010-79-1
	Polyethylene	9002-88-4
Inventory- Japan- (ENCS)	1-propene, homopolymer isotact	25085-53-4
	Ethylene/propylene copolymer	9010-79-1
	Polyethylene	9002-88-4
Inventory- Korea- Existing and Evaluated	1-propene, homopolymer isotact	25085-53-4
	Ethylene/propylene copolymer	9040-79-1
	Polyethylene	9002-88-4
Inventory- Philippines Inventory (PICCS)	1-propene, homopolymer isotact	25085-53-4
	Ethylene/propylene copolymer	9010-79-1
	Polyethylene	9002-88-4
Inventory- TSCA- Sect. 8(b) Inventory	1-propene, homopolymer isotact	25085-53-4
	Ethylene/propylene copolymer	9010-79-1
	Polyethylene	9002-88-4

Title III Classifications Sections 311, 312:

Acute: No
Chronic: No
Fire: No
Reactivity: No
Sudden release of pressure: No

15. Other information

Recommended application: N/A

Relevant R-, H-, and EUH-phrases: N/A

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage, and handling of the product. This information is correct to the best of our knowledge and beliefs at the date of the publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes.