

# SAFETY DATA SHEET

## 1. Product and Company Identification

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Date Prepared: 04-17-17

Product Name: **Synertive® RX-4570**

Generic Name: Hydrocarbon Wax, Polyethylene Wax, and Calcium Stearate System

## 2. Hazards Identification

### OVERVIEW

This product can generally be treated as a nuisance dust.  
Powdered materials may form explosive dust-air mixtures.

Molten (hot liquid) product may cause thermal burns.

Product will melt if exposed to fire, possibly resulting in slippery floors.

Wear dust mask when handling or transferring product.

Variability Among Individuals: Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks that may vary from person to person. As a precaution, exposure to liquids, vapors, dust or fumes should be minimized.

Eye Contact: Product contacting the eyes may cause irritation.

Skin Contact: Prolonged or repeated skin contact with this product tends to remove skin oils and may lead to irritation.

Inhalation: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Exposure to dust and vapors may be irritating to the nose and throat.

Ingestion: Ingestion of large quantities of this product may be harmful. Do not ingest.

## 3. Composition and Information on Ingredients

<u>Ingredient</u>	<u>Percent</u>	<u>CAS Number</u>
Hydrocarbon Wax	40-60%	8002-74-2
Polyethylene Wax	10-20%	68441-17-8
Calcium Stearate	35-50%	1592-11-4
Stearic Acid	4-8%	57-11-4

#### 4. First Aid Measures

Eye Contact: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes. If irritation persists, contact physician immediately.

Skin Contact: If burned by hot product, submerge injured area in cold water. If burn is severe, obtain medical attention immediately. After handling solid product, wash areas of skin contact thoroughly with soap and water. Removal of product may be aided by use of waterless hand cleaner.

Inhalation: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Fumes, vapor or dust may be generated when the material is heated or handled. If overcome by fumes, immediately remove victim from exposure and contact physician. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen, if available.

Ingestion: If ingested, call physician immediately.

#### 5. Fire Fighting Information

Flash Point: >400 °F.

Test Method: C.O.C.

Auto-ignition Temperature: No Data

Test Method: No Data

Flammable Limits in Air % by Volume Lower: No Data

Upper: No Data

Extinguishing Media: Use Dry Chemical, Foam, or Carbon Dioxide

Special Fire Fighting Procedures: Water may be ineffective but may be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Use of water to extinguish burning wax may spread fire; wax floats on water. Use air-supplied breathing equipment for enclosed areas. Avoid breathing vapors or fumes.

Unusual Fire and Explosive Conditions: Dense smoke may be generated while burning; carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion. Floors and stairs will be slippery if coated with molten product.

#### 6. Accidental Release Measures

Procedures for Cleanup: Ordinary housekeeping procedures are adequate. Molten material can cause thermal burns. If molten material is spilled, allow it to cool and solidify before scraping it up. Collect spilled material in suitable container.

## 7. Storage and Handling

This product should not be stored near heat, sparks, flames, or strong oxidants. Keep containers closed when not in use. Fire extinguishers should be kept readily available.

**If handling this product using pneumatic or air conveying equipment, it is important that the conveying system is grounded and designed to minimize the possibility of dust explosions.**

## 8. Personal Health Protection

Eye Protection: Use safety glasses or goggles if eye contact may occur.

Skin Protection: No skin protection is required for single, short duration exposure. For prolonged or repeated exposures, chemical-resistant gloves are recommended to avoid skin contact. If necessary, use chemical-resistant apron or other impervious clothing to avoid skin contact.

Respiratory Protection: Respiratory protection is not required under normal conditions of use. If fumes, vapor, or dust is generated when the product is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified.

Ventilation: If fumes, vapor, or dust is generated when material is heated or handled, adequate ventilation must be provided.

Other: Minimize breathing fumes, vapor, and dust. Wash skin thoroughly with soap and water after handling. Fire extinguishers should be readily available.

## 9. Physical and Chemical Properties

The following data are approximate or typical and should not be used for precise design purposes.

Physical Form:	Solid
Melting Point:	>160°F.
Boiling Point:	N/A
Percent Volatile:	0 at Ambnt Temp
Vapor Density (Air =1):	n/a
Vapor Pressure:	Nil at Ambnt Temp.
Evaporation Rate:	N/A
Specific Gravity:	0.95 at 77°F.
Molecular Weight:	N/A
Appearance:	White to Off White Particle at Room Temp.
Odor:	Mild Wax Odor
Solubility:	Soluble in Hydrocarbons Essentially insoluble in water

## 10. Stability and Reactivity

Stability (thermal, light, etc): Stable  
Conditions to avoid: None  
Hazardous Polymerization: Will not occur  
Conditions to avoid: None

Incompatible Materials to Avoid: Strong Oxidizing Agents  
Hazardous Decomposition Products: None

## 11. Toxicological Information

This product is a non-toxic and non-hazardous substance. It has not been tested for its toxicological properties.

## 12. Ecological Information

This product has not been tested for its environmental effects. In a spill situation, this product may be visually unpleasant; however, it is not expected to cause any adverse environmental effects.

## 13. Disposal Considerations

Discard as non-hazardous organic solid waste. Incinerate or landfill. Observe all laws concerning health and environment.

## 14. Transport Information

This product is not classified as hazardous under D.O.T. regulations.

## 15. Regulatory Information

This product and/or all of its components are in the TSCA Chemical Substances Inventory.

All components of this product are compliant with or are exempted from listing on the Canadian Domestic Substance List.

## 16. Other Information

This product is for industrial use only.

<u>HMIS Code</u>		<u>HTS Code</u>
Health	1	2915.70.00
Fire	1	
Reactivity	0	

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