

# Rutherford Chemicals LLC

CasChem Site

CASTORWAX® NF

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16 Sections Printed: 04/18/97

original: 08/06/86  
revised: 04/18/97

## MATERIAL SAFETY DATA SHEET

### SECTION 1. PRODUCT IDENTIFICATION

**Manufacturer:** Rutherford Chemicals LLC - CasChem Site  
40 Avenue A  
Bayonne, NJ 07002

Information and Emergency Phone during business hours: 1-800CASCHEM

For use only in the event of chemical emergencies involving  
a spill, leak, fire, or accident with this material:  
Call CHEMTREC 800 424-9300

Trade Name.....: CASTORWAX® NF  
Chemical Name.....: Hydrogenated castor oil  
Synonyms.....: N/A  
.....  
CAS #.....: 8001-78-3  
Chemical Family.....: N/A  
Product Code.....: 73153  
Product Use.....: Pharmaceuticals/Personal care  
PIN#.....: None  
WHMIS Class.....: None

### SECTION 2. COMPOSITION/INFORMATION ON COMPONENTS

COMPONENTS	CAS #	WEIGHT %
Hydrogenated Castor Oil	8001-78-3	-

### SECTION 3. HAZARDS IDENTIFICATION

**Emergency Overview:**

Waxy, opaque solid with characteristic odor. Material presents little or no immediate significant hazard if spilled or involved in a fire.

**Breathing:**

Single exposure to vapors or mist is not likely to be hazardous.

**Skin Contact:**

Extended/repeated contact may cause irritation in some individuals.

**Eye Contact:**

Contact with eyes may cause slight eye irritation.

**Swallowing:**

Not expected to be toxic by ingestion.

**Long Term Health Effects:**

Not known.

continued ...

**SECTION 3. HAZARDS IDENTIFICATION**

... continued

Conditions Aggravated By Exposure:  
Not known.

**SECTION 4. FIRST AID MEASURES**

**Breathing:**

No specific treatment is necessary since the material is not likely to be hazardous by inhalation. If exposed to excessive levels of vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.

**Skin:**

Wash with soap and water. Get medical attention if irritation develops or persists.

**Eye:**

Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Get medical attention if irritation or other symptoms occur.

**Swallowing:**

Get immediate medical attention. Never give anything by mouth to an unconscious person.

**SECTION 5. FIRE FIGHTING MEASURES**

Flash Point.....	400 deg F	204 deg C
Method.....	pmcc	
Lower Explosive Limit.....	N/A	
Upper Explosive Limit.....	N/A	
Auto Ignition Temperature....	840 deg F	
Extinguishing Media.....	CO2, dry chemical, alcohol foam, water spray	

**Firefighting Procedure:**

Evacuate area and fight fire from safe distance. Wear pressure-demand self-contained breathing apparatus (MSHA/NIOSH-approved or equivalent) and full protective gear.

**Special Firefighting Procedure:**

As with any fire, toxic gases, vapors, and fumes can be generated. Use pressure-demand self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Using water can cause frothing with increasing fire intensity.

**Unusual Fire and Explosion Hazards:**

None known.

continued ...

**SECTION 5. FIRE FIGHTING MEASURES**

... continued

**Sensitivity To Explosion:**

None expected by mechanical impact or static discharge

**Conditions Of Flammability:**

Material may burn, but does not ignite readily. Avoid high temperatures.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****General:**

Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations if applicable. Isolate spill area, preventing entry by unauthorized persons. Prevent skin/eye contact.

**Small Spill:**

Sweep or scoop material into a chemical waste container. Avoid raising dust. Scrub area with detergent and water.

**Large Spill:**

Shut off spill if safe to do so. Clean up spills immediately, observing precautions in Protective Equipment section. Vacuum or sweep up material and place in a disposal container.

**SECTION 7. HANDLING AND STORAGE****Handling:**

Although this material does not present a significant skin or eye concern, skin and eye contact should be avoided as good industrial practice. Wearing of protective gloves and eye protection is recommended. Wash hands and contaminated skin after handling.

**Storage:**

Store in a cool dry place away from strong oxidizers and acids.

**SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION****Exposure Levels:**

None established.

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to control sources of dust, mist or vapor.

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**SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION ... continued**

**Respiratory Protection:**

Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use a positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respiratory protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Eye/Face Protection:**

Use safety glasses. Where contact with the eyes is likely, use chemical goggles. Use a face shield as needed.

**Skin Protection:**

Use impervious gloves. Use clean protective body-covering clothing as needed to minimize contact with clothing and skin.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance.....	:	Waxy, opaque solid	
Odor.....	:	Characteristic odor	
Initial Boiling Point.....	:	N/A	N/A
Final Boiling Point.....	:	N/A	N/A
Specific Gravity (Relative to Water).....	:	1.02 @ 77F	
Vapor Density(relative to air).....	:	N/A	
Vapor Pressure (mm Hg).....	:	N/A	
pH.....	:	N/A	
Solubility in Water.....	:	Insoluble	
Freezing/Melting Point.....	:	N/A	
Octanol/water Partition Coefficient.....	:	N/A	
Odor Threshold.....	:	N/A	
Viscosity.....	:	N/A	
Evaporation Rate (relative to n-Butylacetate)	:	Slower	

**SECTION 10. STABILITY AND REACTIVITY**

**Stable:**  
Yes.

**Strong Oxidizer:**  
No.

**Hazardous Polymerization:**  
Not prone to hazardous polymerization.

**Incompatibility:**  
Can react vigorously with oxidizing materials.

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SECTION 10. STABILITY AND REACTIVITY ... continued

Conditions to Avoid:  
Keep from contact with oxidizing materials.

Hazardous Decomposition Products:  
Products of incomplete combustion may include CO, CO2, and dense smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicology:  
Hydrogenated castor oil (8001-78-3);  
Acute oral LD50, rat; >5,000 mg/kg  
Eye irritation, rabbit; a mild transient irritant  
Skin irritation, rabbit; 2.0/5.0 moderately irritating  
Skin irritation, human (48 hour patch test); no dermal reactions

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological Information:  
Not available.

Chemical Fate:  
Not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal:  
Dispose of in accordance with all federal, state, and local regulations.

Container Disposal:  
Dispose of in accordance with all federal, state, and local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name...: Not Regulated  
Hazard Class.....:  
Packing Group.....:  
UN/NA No. ....:  
DOT Labels.....:  
Subsidiary Label.....:  
DOT Placards.....:

IMO Shipping Name...: Not Regulated  
Hazard Class.....:  
Packing Group.....:

continued ...

SECTION 14. TRANSPORT INFORMATION		... continued
UN No. ....:		
IMO Labels.....:		
Subsidiary Label.....:		
IATA Shipping Name...:	Not Regulated	
Hazard Class.....:		
Packing Group.....:		
UN No. ....:		
IATA Labels.....:		
Subsidiary Label.....:		

SECTION 15. REGULATORY INFORMATION			
SARA 311/312 Chronic Health Hazard :	no		
SARA 311/312 Acute Health Hazard.. :	no		
SARA 311/312 Fire Hazard..... :	no		
SARA 311/312 Sudden Pressure..... :	no		
SARA 311/312 Reactivity Hazard.... :	no		
Section 302 Extremely Hazardous:			
Ingredients	CAS #	Weight %	TPQ
** None **			
CERCLA Hazardous Substances:			
Ingredients	CAS #	Weight %	RQ
** None **			
Section 313 Toxic Chemicals:			
Ingredients	CAS #	Weight %	
** None **			
NJ Environmental Hazardous Substance List:			
Ingredients	CAS #		
** None **			
California Proposition 65 Ingredients:			
Ingredients	CAS #	Weight %	
** None **			
TSCA:			
This substance is listed on the TSCA inventory.			
DSL/EINECS:			
This substance is listed on the Canadian Domestic Substances List & the European Inventory of Existing Commercial Chemical Substances			
WHMIS:			
This product is not classified as a controlled product under Canadian Controlled Product Regulations.			

**SECTION 16. OTHER INFORMATION**

<b>NFPA Hazard Ratings:</b>		<b>HMIS Hazard Rating:</b>	
Health.....	: 1	Health.....	: 1
Fire.....	: 1	Fire.....	: 1
Reactivity.....	: 0	Reactivity.....	: 0
Specific Hazard....	: None		

**MSDS Revisions:**  
 4/18/97; Updated regulatory information (sect 15)

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