



# MATERIAL SAFETY DATA SHEET

## **HYSTRENE® 9718 NF EXT FLK**

**Version:** 1.3  
**Date of Issue:** Jan 10, 2011  
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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** HYSTRENE® 9718 NF EXT FLK

**Chemical name:** Stearic acid

**Use of substance/preparation:** Lubricant

**Supplier:** Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749 USA

**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300  
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

**Environmental, Health and Safety Department:** 866-430-2775  
**Customer Service:** 877-948-2660

**Prepared by** Product Safety Department      Date of Issue: 06/27/2007  
(US) +1 866-430-2775  
(EU) +44 (0) 1753.603.000  
Email: MSDSRequest@chemtura.com

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### 2. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
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Octadecanoic acid CAS# 57-11-4	
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#### 4. FIRST AID MEASURES

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**Swallowing**

No emergency care anticipated.

**Inhalation**

Remove to fresh air.

**Skin contact**

Wash skin with soap and water.

**Eye contact**

Flush eyes thoroughly with water for several minutes. Obtain medical attention if irritation persists.

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#### 5. FIRE-FIGHTING MEASURES

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Flash point: 396 °F 202 °C

Autoignition temperature:  
Not available

**Hazardous combustion products**

Carbon monoxide.

Carbon dioxide.

**Special fire fighting procedures**

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

**Special protective equipment for firefighters**

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

**Extinguishing media**

Suitable: Extinguish with:  
- dry chemical  
- water spray  
- CO2  
- foam

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#### 6. ACCIDENTAL RELEASE MEASURES

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**Environmental precautions**

This product is insoluble in water and will float on the surface.

**Methods for cleaning up**

Sweep up and collect in a suitable container for disposal.  
Observe government regulations.

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#### 7. HANDLING AND STORAGE

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**HANDLING**

**Handling precautions**

Avoid breathing dust., Avoid dispersion of dust to reduce fire and explosion potential.

**STORAGE**

**Storage requirements**

Store at ambient temperature., Keep drums tightly closed to prevent contamination.



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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **EXPOSURE LIMIT VALUES**

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Octadecanoic acid	USA	PEL, OSHA	5 mg/m <sup>3</sup>	Respirable dust
		PEL, OSHA	15 mg/m <sup>3</sup>	Total dust
		TWA, ACGIH	10 mg/m <sup>3</sup>	Total dust for nuisance particulates

#### **PERSONAL PROTECTION**

##### Respiratory protection

Use NIOSH/MSMA certified dust mask and/or respirator where appropriate.

##### Hand protection / protective gloves

Neoprene

##### Eye protection

Safety glasses.

##### Skin protection

Rubber or plastic apron

#### **ENGINEERING CONTROLS**

##### Ventilation

Adequate ventilation to keep dust level below TLV.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **APPEARANCE**

Physical state	Solid
Color	Off-white
Odor	Slight fatty

#### **OTHER PROPERTIES**

Boiling point	> 315 °C > 600 °F
Melting point	67 °C 153 °F
Density	~ 0.88 g/cm <sup>3</sup> at 25 °C
Vapor pressure	
Solubility in water	Insoluble
Partitioning coefficient	Not available
Flash point	396 °F 202 °C Method: Cleveland open cup ASTM D 92
Autoignition temperature	Not available
Percent volatiles	0 %(m)



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### 10. STABILITY AND REACTIVITY

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**Stability:** Stable.

**Stability - Conditions to avoid:**  
Stable under normal conditions.

**Incompatible materials:**  
Strong oxidizing agents.

**Hazardous combustion products:**  
Carbon monoxide.  
Carbon dioxide.

**Hazardous polymerization:** Will not occur.

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### 11. TOXICOLOGICAL INFORMATION

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#### GENERAL

No information available.

#### SWALLOWING

Acute effects

Low acute toxicity.

#### SKIN ABSORPTION

Acute effects

Low acute toxicity.

#### INHALATION

Acute effects

Dust may cause irritation of the respiratory tract.

#### SKIN CONTACT

Acute effects

May cause slight irritation.

#### EYE CONTACT

Acute effects

May cause slight irritation.

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### 12. ECOLOGICAL INFORMATION

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Not expected to be acutely toxic to aquatic organisms.

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### 13. DISPOSAL CONSIDERATIONS

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**General:** It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product. Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

**Non-cleaned packages**  
Subject completely emptied paper bags to paper recycling.



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### 14. TRANSPORT INFORMATION

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#### DOT Classification

This product is not regulated by DOT.

#### IMDG Classification

This product is not regulated by IMDG.

#### ICAO Classification

This product is not regulated by ICAO.

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### 15. REGULATORY INFORMATION

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Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:

None.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

None.

#### New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#
Octadecanoic acid	57-11-4

New Jersey TS Number  
\*\* FOR EXTERNAL USE  
ONLY \*\*

EPA Hazard Categories (SARA 311, 312):

None

#### CHEMICAL INVENTORY

<u>Canada:</u>	This product is on the DSL.
<u>Europe:</u>	This product is on the EINECS inventory.
<u>United States:</u>	This product is on the TSCA inventory.
<u>Australia:</u>	This product is on the AICS inventory.
<u>China:</u>	This product is on the IECSC Inventory.
<u>Japan:</u>	This product is on the ENCS inventory.
<u>Korea:</u>	This product is listed on the Existing Chemicals List (ECL).
<u>Philippines:</u>	The ingredients of this product are on the PICCS.

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### 16. OTHER INFORMATION

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### HMIS RATING

Health: 0	Flammability: 1	Reactivity: 0	PPL:
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STP	Standard temperature and pressure
W/A	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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