



# MATERIAL SAFETY DATA SHEET

## *INDUSTRENE® 9018*

Version: 1.1  
DATE OF ISSUE: 01/08/2006  
Date printed: 04/22/2006

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** INDUSTRENE® 9018

**Chemical name:** Stearic acid

**Use of substance/preparation:** All-purpose lubricant and profoamer., Chemical intermediate.

**Supplier:** Chemtura USA Corporation  
Chemtura Corporation (Worldwide HQ)  
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  
**For additional emergency telephone numbers  
see section 16 of the Safety Data Sheet.**

**Environmental, Health and Safety Department:** 866-430-2775

**Customer Service:** 877-948-2660

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
Octadecanoic acid CAS# 57-11-4	

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### 3. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.



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### 4. FIRST AID MEASURES

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**Swallowing**

No emergency care anticipated.

**Skin contact**

Wash skin with soap and water., WHEN MOLTEN ONLY (molten product can cause thermal burns) -, Cool with water or ice.

**Inhalation**

Remove to fresh air.

**Eye contact**

WHEN MOLTEN ONLY (molten product can cause thermal burns) -, Flush eyes thoroughly with water for several minutes., Obtain medical attention.

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### 5. FIRE-FIGHTING MEASURES

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Flash point: 403 °F 206 °C

**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**

Transfer liquids and solid diking material to suitable containers for recovery or disposal.  
Allow remaining liquid to solidify, then shovel into containers.



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Observe government regulations.

## 7. HANDLING AND STORAGE

### HANDLING

#### Handling precautions

Exercise suitable precautions to avoid thermal burns., Product is normally maintained in a heated, liquid form.

### STORAGE

#### Storage requirements

Normal precautions common to good safety practice should be followed in storage.

## 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

No other exposure limits have been established

### PERSONAL PROTECTION

#### Respiratory protection

Do not breathe hot vapors., Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

#### Hand protection / protective gloves

Neoprene

#### Eye protection

Monogoggles

#### Skin protection

Rubber or plastic apron

### ENGINEERING CONTROLS

#### Ventilation

Adequate ventilation to keep dust level below TLV.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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#### APPEARANCE

Physical state	Solid
Color	Off-white
Odor	Slight fatty

#### OTHER PROPERTIES

Boiling point	> 315 °C > 600 °F
Melting point	65 - 67 °C 149 - 153 °F
Solubility in water	Insoluble
Flash point	403 °F 206 °C Method: Cleveland open cup ASTM D 92
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.



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### **SKIN ABSORPTION**

Acute effects  
Low acute toxicity.

### **INHALATION**

Acute effects  
Vapor or mist from heated material may cause irritation of the respiratory tract.

### **SKIN CONTACT**

Acute effects  
WHEN MOLTEN ONLY (molten product can cause thermal burns).

### **EYE CONTACT**

Acute effects  
Molten product may cause thermal burns.

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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**  
Dispose of washing solution in the same way as product.

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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#	New Jersey TS Number
Octadecanoic acid	57-11-4	

EPA Hazard Categories (SARA 311, 312): None

California Proposition 65

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

### CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.  
Europe: The ingredients of this product are on the EINECS inventory.  
United States: The ingredients of this product are on the TSCA inventory.  
Australia: The ingredients of this product are on the AICS inventory.  
China: This product is on the IECSC Inventory.  
Japan: The ingredients of this product are on the ENCS inventory.  
Korea: The ingredients of this product are on the ECL.  
Philippines: The ingredients of this product are on the PICCS.

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### 16. OTHER INFORMATION

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#### FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.



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### Emergency Telephone Numbers

Latin America:	All	+44 (0)208 762 8322
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### HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI:
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STP	Standard temperature and pressure
W/W	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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