



# MATERIAL SAFETY DATA SHEET

## INDUSTRENE® 7018

**Version:** 1.3  
**Date of Issue:** Jan 10, 2011  
**Date printed:** 06/28/2007

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** INDUSTRENE® 7018

**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

MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.

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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



**INDUSTRENE® 7018**

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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. WHEN MOLTEN ONLY (molten product can cause thermal burns) - Cool with water or ice.

**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: 390 °F 199 °C

Autoignition temperature: No data 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**

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

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**7. HANDLING AND STORAGE**

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**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.



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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

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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

Physical state	Solid
Color	Off-white
Odor	Slight fatty
Odor threshold	No data available.

#### OTHER PROPERTIES

Boiling point	> 315 °C > 600 °F
Melting point	60 - 63 °C 140 - 146 °F
Density	0.87 g/cm <sup>3</sup> at 25 °C
Vapor pressure	
Solubility in water	Insoluble
Partitioning coefficient	No data available.
Flash point	390 °F 199 °C Method: Cleveland open cup ASTM D 92
Autoignition temperature	No data 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

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.

Not regulated by ground or rail if shipped or transported at temperatures under 212 °F (100 °C) or in containers less than 450 liters (119 US gal).

If shipped or transported at temperatures over 100°C (212°F) and in containers greater than 450 liters (119 gal) regulated as: ELEVATED TEMPERATURE LIQUID, N.O.S., Class 9, UN 3257, PGIII, ERG 128.

Proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S.  
Class: 9  
UN ID #: UN3257  
Packing group: III

#### 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: This product is on the DSL.  
Europe: This product is on the EINECS inventory, 200-313-4  
United States: This product is on the TSCA inventory.  
Australia: This product is on the AICS inventory.  
China: This product is on the IECSC Inventory.  
Japan: This product is on the ENCS inventory.  
Korea: This product is listed on the Existing Chemicals List (ECL).  
Philippines: This product, or the components, is listed or exempt from listing on the Philippines Inventory of



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Chemicals and Chemical Substances (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.

#### 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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