

**Product name: INDUSTRENE® 7018**

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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product name:** INDUSTRENE® 7018**Chemical name:** Stearic acid**Supplier:** Crompton Corporation  
199 Benson Road  
Middlebury, CT 06749, USA**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300Crompton Corporation Emergency Response (24 hours)  
800-292-5898**For MSDS, Product Safety, or regulatory inquiries, call:** 866-430-2775**Customer Service:** 877-948-2660

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

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COMPONENT	CAS#	CONCENTRATION
Octadecanoic acid	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**

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

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minutes. Obtain medical attention.

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## 5. FIRE-FIGHTING MEASURES

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**Flash point:** 199 °C (390 °F)

**Autoignition temperature:** No data available.

### 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
- CO<sub>2</sub>
- 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**

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**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.

**EXPOSURE LIMITS**

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Octadecanoic acid	PEL, OSHA	5.0 mg/m <sup>3</sup>	Respirable dust
	PEL, OSHA	15.0 mg/m <sup>3</sup>	Total dust
	TWA, ACGIH	10.0 mg/m <sup>3</sup>	Total dust for nuisance particulates

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**

<b>Physical state</b>	Solid
<b>Color</b>	Off-white
<b>Odor</b>	Slight fatty
<b>Odor threshold</b>	No data available.

**OTHER PROPERTIES**

<b>Boiling point</b>	> 315 °C (> 600 °F) at STP unless specified below.
<b>Melting point</b>	60 - 63 °C (140 - 146 °F) at STP unless specified below.
<b>Density</b>	0.87 g/cm <sup>3</sup> at 25 °C
<b>Vapor pressure</b>	Negligible
<b>Vapor density (air=1)</b>	Non Volatile
<b>Solubility in water</b>	Insoluble

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<b>Partitioning coefficient</b>	No data available.
<b>Flash point</b>	199 °C (390 °F) Method: Cleveland open cup ASTM D 92
<b>Autoignition temperature</b>	No data available.
<b>Percent volatiles</b>	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**

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**

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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 \*\*\*\*

**Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.**

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 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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### LEGEND

STP	Standard temperature and pressure
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# MATERIAL SAFETY DATA SHEET

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W/W	Weight/Weight
0 (HMIS)	Minimal hazard
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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The opinions expressed herein are those of qualified experts within Crompton Corporation. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Crompton Corporation, it is the user's obligation to determine the conditions of safe use of the products.