



# MATERIAL SAFETY DATA SHEET

## INDUSTRENE® 105

**Version:** 1.4  
**Date of Issue:** Jan 10, 2011

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** INDUSTRENE® 105

**Chemical name:** Oleic Acid

**Use of substance/preparation:** Chemical intermediate

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

**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300, 703-527-3887  
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:** 01/10/2008  
(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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9-Octadecenoic acid CAS# 112-80-1	
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**4. FIRST AID MEASURES**

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**Swallowing**

Do not induce vomiting. Obtain medical attention.

**Inhalation**

Remove to fresh air.

**Skin contact**

Wash skin with soap and water.

**Eye contact**

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

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**5. FIRE-FIGHTING MEASURES**

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**Flash point:** 379 °F 193 °C

**Hazardous combustion products**

Carbon monoxide.  
Carbon dioxide.

**Special protective equipment for firefighters**

Use self-contained breathing apparatus when fighting fires in enclosed areas.

**Extinguishing media**

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

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**6. ACCIDENTAL RELEASE MEASURES**

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**Environmental precautions**

Avoid runoff to sewers or waterways., Insoluble in water.

**Methods for cleaning up**

Absorb on inert material such as sand, earth, vermiculite.  
Collect in suitable containers.

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**7. HANDLING AND STORAGE**

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**HANDLING**

**Handling precautions**

Do not get in eyes, on skin, on clothing., Keep drums tightly closed to prevent contamination., Wear recommended personal protection equipment., Never use pressure to empty drums.

**STORAGE**

**Storage requirements**

Store and use with adequate ventilation., Store at ambient temperature.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE LIMIT VALUES**

**PERSONAL PROTECTION**



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**Respiratory protection**

No special respiratory protection is normally required.

**Hand protection / protective gloves**

Neoprene

**Eye protection**

Safety glasses.

**Skin protection**

Rubber or plastic apron

**ENGINEERING CONTROLS**

**Ventilation**

General (mechanical) room ventilation is expected to be satisfactory for normal handling.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**

Physical state	Liquid
Color	Light yellow
Odor	Mild - typically fatty

**OTHER PROPERTIES**

Boiling point	> 315 °C > 600 °F
Melting point	11 - 14 °C 52 - 57 °F
Density	0.88 g/cm <sup>3</sup> at 20 °C
Vapor pressure	
Solubility in water	Insoluble
Flash point	379 °F 193 °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.



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**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

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

**SKIN CONTACT**

Acute effects

Brief contact is not expected to produce irritation.

**EYE CONTACT**

Acute effects

May cause mild discomfort.

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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.



INDUSTRENE® 105

15. REGULATORY INFORMATION

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:

Chemical name	CAS#	Max weight %
9-Octadecenoic acid	112-80-1	

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

Chemical name	CAS#	New Jersey TS Number
9-Octadecenoic acid	112-80-1	

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>	This product is on the PICCS.

16. OTHER INFORMATION

HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI:
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STP	Standard temperature and pressure
W/W	Weight/Weight
1 (HMIS)	0 (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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