

Product name: INDUSTRENE® R

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: INDUSTRENE® R**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

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
Stearic acid	57-11-4	100.0 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.

4. FIRST AID MEASURES

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.

5. FIRE-FIGHTING MEASURES

Flash point: 189 °C (372 °F)

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

6. ACCIDENTAL RELEASE MEASURES

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.

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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

No exposure limits have been established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Solid
Color	Off-white
Odor	Slight fatty

OTHER PROPERTIES

Boiling point	> 315 °C (> 600 °F) at STP unless specified below.
Melting point	52 °C (126 °F) at STP unless specified below.
Density	~ 0.88 g/cm ³ at 25 °C
Vapor pressure	Negligible
Vapor density (air=1)	Non Volatile
Solubility in water	Insoluble
Flash point	189 °C (372 °F) Method: Cleveland open cup ASTM D 92
Percent volatiles	0 %(m)

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10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

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).

Test results

<u>Skin irritation:</u>	Species: Rabbit
	Result: Non irritating.
	Classification: Not irritant
	Remark: 0,5 ml; occlusive

EYE CONTACT

Acute effects

Molten product may cause thermal burns.

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12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

Freight description road: FATTY ACIDS OF VEGETABLE, FISH, ANIMAL OILS, N.O.I., INEDIBLE

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

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 ****

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:

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None.

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

Chemical name
Stearic acid

CAS#
57-11-4

New Jersey TS Number

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).

16. OTHER INFORMATION

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
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



MATERIAL SAFETY DATA SHEET

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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.