

Product name: **INDUSTRENE® R FLAKE**

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **INDUSTRENE® R FLAKE**

Chemical name: Stearic acid

Supplier: Crompton Corporation
199 Benson Road
Middlebury, CT 06749, USA

Emergency telephone number: **CHEMTREC (24 hours) 800-424-9300**

Crompton 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

NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.

4. FIRST AID MEASURES

Swallowing

No emergency care anticipated.

Skin

Wash skin with soap and water.

Inhalation

Remove to fresh air.

Eye contact

Flush eyes thoroughly with water for several minutes. Obtain medical attention if irritation persists.

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5. FIRE-FIGHTING MEASURES

Flash point: 189 °C (372 °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
- CO2
- foam

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

This product is insoluble in water and will float on the surface.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.

Observe government regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Avoid breathing dust. Avoid dispersion of dust to reduce fire and explosion potential.

STORAGE

Storage requirements

Store at ambient temperature. Keep drums tightly closed to prevent contamination.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection

Use NIOSH/MSMA certified dust mask and/or respirator where appropriate.

Hand protection / protective gloves

Neoprene

Eye protection

Safety glasses.

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
Odor threshold	No data available.

OTHER PROPERTIES

Boiling point	> 315 °C (> 600 °F) at STP unless specified below.
Melting point	52 - 62 °C (126 - 144 °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
Partitioning coefficient	Not determined
Flash point	189 °C (372 °F) Method: Cleveland open cup ASTM D 92
Autoignition temperature	No data available.
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

Dust may cause irritation of the respiratory tract.

SKIN CONTACT

Acute effects

May cause slight irritation.

Test results

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

EYE CONTACT

Acute effects

May cause slight irritation.

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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

Subject completely emptied paper bags to paper recycling.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

Freight description road: OILS, LIQUID OR SOLIDIFIED, VIZ ACIDS, FATTY, OF VEGETABLE,

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

CHEMICAL INVENTORY

Canada: This product is on the DSL.

Europe: This product is on the EINECS inventory.

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: The ingredients of this product are on the PICCS.

16. OTHER INFORMATION

HMIS RATING

Health: 0	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

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