

1. PRODUCT INFORMATION

Product name : Stearic Acid
INCI : Stearic Acid
Use : Emulsifier for Creams and Lotions, and Shaving Cream Formulations
Supplier : Windy Point Soap Making Supplies Inc.
Address : 14, 6125-12th Street SE, Calgary, AB T2H 2K1
Telephone : 587-318-6678
Emergency Telephone : (800) 225-3924 Canada, USA, Puerto Rico

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (GHS-US)

Not classified.

GHS-US Labeling

No labeling applicable.

Other Hazards

No additional information available.

Unknown Acute Toxicity (GHS-US)

No data available.

3. COMPOSITION / INFORMATION INGREDIENTS

Substances

No information available.

Ingredient	CAS #	Conc. Range - %	Classification
Stearic acid	57-11-4	32 - 72	Comb. Dust, H232
Fatty acids, C16-18	67701-03-5	27 - 66	Comb. Dust, H232
Tetradecanoic acid	544-63-8	<= 1.5	Eye Irrit. 2A, H319

Full text of H-phrases: see section 16.

4. FIRST AID MEASURES

General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact

Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

Inhalation

When symptoms occur, go into open air and ventilate suspected area.

Ingestion

Rinse mouth. Do NOT induce vomiting

Most important symptoms and effects, both acute and delayed

Eye contact

May cause slight irritation to eyes.

Skin contact

Contact during a long period may cause slight irritation.

Inhalation

None expected under normal conditions of use.

Ingestion

If a large quantity has been ingested: May cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for surrounding fire. Sand. Carbon dioxide, dry chemical.

Unsuitable Extinguishing Media

Do not use water jet.

Special hazards arising from the substance or mixture

Not considered flammable but will burn at high temperatures. Product is not explosive. Hazardous reactions will not occur under normal conditions.

Advice for firefighters

Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Liquid product may have temperature exceeding 50°C.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and materials for containment and cleaning up

Contain and collect as any solid. Clean up spills immediately and dispose of waste safely.

Reference other sections

See heading 8, Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage

Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat and direct sunlight.

Incompatible products

Strong oxidizers.

Specific end use(s)

Per FDA 21CFR: Coatings on fresh citrus fruit, chewing gum. Personal Care Products - Emulsifier for Creams and Lotions, and Shaving Cream Formulations

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Exposure controls

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment

Eye protection

Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves.

Respiratory protection

Wear approved mask.

General hygiene considerations

When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Solid.
Appearance	: White. Waxy. Flakes, beads, powder.
Odour	: No data available.
Odour threshold	: No data available.
pH	: No data available.
Relative Evaporation Rate (butylacetate=1)	: No data available.
Melting Point	: 55-60° C (131-140°F).
Freezing Point	: No data available.
Boiling Point	: >300°C (572°F).
Flash Point	: >200°C (392°F).
Auto-ignition Temperature	: >250°C (482°F).
Decomposition Temperature	: No data available.
Flammability (solid, gas)	: No data available.
Vapor Pressure	: <1mm Hg@131°C 5.06E-5 hPa@250°C.
Relative Vapor Density at 20°C	: No data available.
Relative Density	: No data available.
Specific Gravity	: 0.85 g/ml @ 75°C.
Solubility	
Insoluble in water	
Water: Ca. 5E-5 g/l @20°C	
Ethanol: Soluble	
Ether: Soluble	
Organic Solvent: Soluble	
Partition Coefficient	: N-Octanol/Water.
Log Pow	: 7.05 - 8.23 Based on n-octanol/water segregation coefficient.
Viscosity	: Not available.
Viscosity, Dynamic	: 8.04 mPa.s @65°C.
Explosive Properties	: No data available.
Oxidizing Properties	: No data available.
Explosive Limits	: Not applicable.

Other Information

No additional information available.

10. STABILITY AND REACTIVITY

Reactivity

Hazardous reactions will not occur under normal conditions.

Chemical stability

Stable under normal temperature and pressure

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Hazardous decomposition products

Carbon oxides (CO, CO₂).

Incompatible materials

Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Not classified.

Triple Pressed Stearic Acid FGK (\f)67701-03-5, 57-11-4, 544-63-8

Fatty acids, C16-18 (67701-03-5)

LD50 Oral Rat > 5000 mg/kg

LD50 Dermal Rabbit > 2000 mg/kg

LC50 Inhalation Rat (mg/l) > 0.16 mg/l/4h

Stearic acid (57-11-4)

LD50 Dermal Rat > 5000 mg/kg

LD50 Oral Rat > 2000 mg/kg

Tetradecanoic acid (544-63-8)

LD50 Oral Rat

> 10 g/kg

Skin Corrosion/Irritation

Not classified.

Serious Eye Damage/Irritation

Not classified.

Respiratory or Skin Sensitization

Not classified.

Germ Cell Mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive Toxicity

Not classified.

Specific Target Organ Toxicity (Single Exposure)

Not classified.

Specific Target Organ Toxicity (Repeated Exposure)

Not classified.

Aspiration Hazard

Not classified.

Symptoms/Injuries after Inhalation

None expected under normal conditions of use.

Symptoms/Injuries after Skin Contact

Contact during a long period may cause slight irritation.

Symptoms/Injuries after Eye Contact

May cause slight irritation to eyes.

Symptoms/Injuries after Ingestion

If a large quantity has been ingested: May cause nausea, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION

Fatty acids, C16-18 (67701-03-5)

LC50 Fish 1 > 10000 mg/l

EC50 Daphnia 1 > 4.8 mg/l

NOEC chronic algae > 0.9 mg/l

Tetradecanoic acid (544-63-8)

LC50 Fish 1 118 mg/l (Exposure time: 96 h - Species: Oryzias latipes [static])

Persistence and degradability

Easily biodegradable.

Bioaccumulative potential

Triple Pressed Stearic Acid FGK (67701-03-5, 57-11-4, 544-63-8)

Log Pow 7.05 – 8.23 Based on n-octanol/water segregation coefficient

Bioaccumulative Potential Not established

Tetradecanoic acid (544-63-8)

Log Pow 5.9

Mobility in soil

Log Koc 51.05

Other adverse effects

Avoid release to the environment.

13. DISPOSAL CONSIDERATION

Dispose of waste material in accordance with all local, regional, national, and international regulations.

14. TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

UN Number

Not regulated for transport.

UN Proper Shipping Name

Not regulated for transport.

Other information

No supplementary information available.

Transport by Sea

Not regulated for transport.

Air Transport

Not regulated for transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations

Fatty acids, C16-18 (67701-03-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Stearic acid (57-11-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Tetradecanoic acid (544-63-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

US State Regulations

Neither this product nor its chemical components appear on any US state lists.

16. OTHER INFORMATION

GHS Full Text Phrases

Comb. Dust

Combustible Dust

Eye Irrit. 2A

Serious eye damage/eye irritation Category 2A

H232

May form combustible dust concentrations in air

H319

Causes serious eye irritation

DISCLAIMER AND CAUTION

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Windy Point Soap Making Supplies Inc. provides the information contained herein but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Windy Point Soap Making Supplies Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of Windy Point Soap Making Supplies Inc. is limited to the value of the goods and does not include any consequential loss. Windy Point Soap Making Supplies Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Windy Point Soap Making Supplies Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Alberta.