



MATERIAL SAFETY DATA SHEET

STEARIC ACID

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1 Product Identifier

Product Type : Mixture
Product Name : Stearic Acid
Synonyms : 1-Heptadecanecarboxylic Acid; Octadecanoic Acid; Stearophanic Aci
Formula : C18H36O2
CAS Number : 57-11-4

1.2 Recommended and restricted uses of the substance or mixture

Recommended uses : Industrial, lubricants, personalcare, cleaners, detergents, soap, textile additives, rubber additives
Restricted uses : None known

1.3 Company Identification

Company Name
Company address
Company telephone :
RUTA DE LA CERA S.L.
B66957648
Cerdanya 35 nave 7 P.I. La Borda
08140 CALDES DE MONTBUI
BARCELONA
+34 93 688 31 07
info@rutadelacera.es

1.4 Emergency Telephone Number

Emergency Number INSTITUTO NACIONAL DE TOXICOLOGIA MADRID 915620420
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC-Day or Night

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Substance

Chemical name	CAS Number	%	Health Hazard
Not applicable			

2.2 Mixtures

Chemical name	CAS Number	%	Health Hazard
Palmitic acid	57-10-3	55-59	None
Stearic acid	57-11-4	40-44	None
Miristic acid	544-63-8	0-1	None
Arachidic acid	506-30-9	0-1	None

SECTION 3: HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture



Classification (GHS-US): Not classified

3.2 Label Elements

GHS-US Labeling : Not applicable

3.3 Other Hazards

No additional information available

3.4 Unknown Acute Toxicity (GHS-US)

No data available

SECTION 4: FIRST AID MEASURES

4.1 Description of 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)
- Inhalation : Remove the victim into fresh air. Observe victim's breathing. If breathing is labored seek immediate medical attention.
- Skin contact : Wash with soap and water. If irritation develops, seek medical attention. Launder contaminated clothing.
- Eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do. If irritation occurs, seek immediate medical (ophthalmologist) attention.
- Ingestion : Rinse mouth with plenty of water. For ingestion of large quantities seek immediate medical attention. Do not induce vomiting. Contact poison control center

4.2 Most important symptoms and effect, both acute and delayed

- Symptoms after inhalation : May experience dizziness and headache.
: Mild irritation of the nose and throat may occur
- Symptoms after skin contact : Mild irritation of the skin may occur.
- Symptoms after eye contact : Mild irritation of the eye tissue may occur
: May cause corneal inflammation
- Symptoms after ingestion : Mild tingling of the tongue and mouth.
: May cause gastrointestinal irritation, nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed



- Treatment after inhalation : If Breathing is labored seek immediate medical attention
- Treatment after skin contact : If skin irritation occurs seek immediate medical attention
- Treatment after eye contact : If eye irritation occurs seek immediate ophthalmologist attention
- Treatment after ingestion : If ingestion of a large quantity seek immediate poison control center

SECTION 5: FIRE-FIGHTING MEASURE S

5.1 Extinguishing media

- Suitable media : Carbon dioxide, alcohol resitant foam and water spray
- Unsuitable media : None known

5.2 Specific hazards arising from the substance or mixture

- Direct fire hazard : No flammable
- Indirect fire hazard : Exposure to temperature above the flash point (196°C)
- Explosive hazard : Exposure to temperature above the flash point (196°C)
- Combustion product : Carbon dioxide and carbon monoxide

5.3 Special protective equipment and precautions for fire-fighters

- Protective equipment : Full protective clothing
- : Self contained brething apparatus
- Precautions : No additional information available
- Emergency response guide : Not a hazardous material

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Mixture is not hazardous. If mixture is a hot mist or dust, stay upwind
- Protective equipment : Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If material is a hot mist or dust wear dust mask or self contained brething apparatus.
- Emergency procedures : mark the spill area with hazard tape or cones. Contain the hot liquid spill area with suitable absorbent. Keep away from streams, rivers and lakes. If mixture is a hot mist or dust, alert immediate neighborhood to close windows and doors. Contain and dissipate hot mist or dust via spraying with water.

6.2 Environmental precautions



Precautions : Keep out streams, rivers and lakes. Mixture is regulated as oil under the clean water Act. Abide by all laws per this regulation.

6.3 Method and materials for containment and cleaning up

For containment: Contain and collect as any solid

Method for cleaning up: Clear up spills immediately and dispose of waste safely

SECTION 7: HANDLING AND STORAGE

Temperature : About 10-20 °C above the melting point 53-58 °C

Storage area : Store in Dry area, room temperature, dyke area. Protect from heat.

IMDG : Not Applicable

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No occupational Exposure Limits (OELs) have been established for this product or its chemical components

8.2 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: Gloves, Protective goggles

Hand Protection : Wear Chemical resistant protective gloves

Eye Protection : Chemical goggles or safety glasses

Respiratory Protection : Wear approved mask

Other Information : When using, don't eat, drink or smoke

SECTION 9: PHYSICAL CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State : Solid

Appearance : Flakes, beads, powder

Freezing Point Range : 54-57 °C

Vapor Pressure : 1 mmHg @174 °C



Viscosity : Not applicable

Flash Point : 196 °C / 384.8 °F

Molecular Weight : 284.47

Specific Gravity : 0.840

9.2 Othe Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

Stability : Stable under normal conditions

Conditions to Avoid : Avoid dust information. Incompatible products.Excess heat

Incompatible Materials : Strong oxidizers

Hazardous Decomposition Products : Carbon oxides (CO, CO2)

Hazardous Polymerization : Hazardous polymerization does not occur

Hazardous Reactions : None under normal processing

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity : Not Classified

Component	LD50 Oral rat
Stearic Acid and Palmitic acid	>10g/kg

Irritation : No information available

Toxicologically Synergistic : No information available

Carcinogenicity : There are known carcinogenic chemicals in this humans

Sensitization : No information available

Mutagenic effects : Mutagenic effects have occurred in humans

Reproductive effects : No information available

Teratogenicity : No information available

Endocrine disruptor information : No information available



SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity : Don't empty into drains

Persistence and degradability : Readily biodegradable

Bioaccumulation/accumulation : no information available

Mobility : Will likely be mobile in the environment due to its water solubility

SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods

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

SECTION 14: TRANSPORT INFORMATION

DOT : Not regulated

TDG : Not regulated

IATA : Not regulated

IMDG/IMO : Not regulated

SECTION 15: REGULATIONS

Listed in TSCA Inventory

SECTION 16: OTHER INFORMATION

Disclaimer: The information provided on this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.