



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE:	Stearic Acid - 38% - RSPO MB
COMMON NAME / OTHER NAME:	Octadecanoic Acid / Fatty Acid C18
GROUP OF CHEMICALS:	Fatty Acids
SUPPLIER NAME:	YellowBee Packaging and Supplies Inc.
SUPPLIER ADDRESS:	#106 2880 107 Ave SE Calgary AB T2Z3R7 Canada
TELEPHONE NUMBER:	(587) 352 3929
RECOMMENDED USE:	Domestic and Industrial

02. HAZARDS IDENTIFICATION

Product is non-hazardous.

03. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:	Stearic Acid or Octadecanoic Acid,
CHEMICAL FORMULA:	$C_{18}H_{36}O_2$
CAS No:	57-11-4
EINECS No:	200-313-4

04. FIRST AID MEASURES

INHALATION:	Sore throat, cough. Remove to fresh air. If suffocation is serious, take to a doctor
SKIN CONTACT:	Redness, pain. Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary
EYE CONTACT:	Redness, pain. Flush with water; take to a doctor if necessary
INGESTION:	Sore throat, abdominal pain. Rinse mouth, drink plenty of water, see physician

05. FIRE FIGHTING MEASURES

SUITABLE FIREFIGHTING AGENTS:	Use dry powder, foam, carbon dioxide
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:	Water jet
SPECIFIC HAZARDS IN THE EVENT OF FIRE: PROTECTION OF FIRE-FIGHTERS (USE OF PROTECTIVE EQUIPMENT, ETC.):	Combustible, keep away from open flame, no smoking Use self-contained breathing equipment if in confined place

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Use gloves, face shield
ENVIRONMENTAL PRECAUTIONS:	Do not allow to flow into drainage system.



METHODS AND MATERIALS FOR
CONTAINMENT AND CLEANING UP:

Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Wipe clean. Can also allow spillage to solidify, then shovel into containers. Clean up area immediately.

07. HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING:
CONDITIONS FOR SAFE STORAGE,
INCLUDING ANY INCOMPATIBILITIES:

Use gloves and wear goggles when handling.

Keep in a cool and dry place, avoid extreme heat and cold. Avoid direct fire. Keep separate from oxidants. Store in clean, dry, preferably stainless steel vessels. In bulk, store at about 10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:
APPROPRIATE ENGINEERING CONTROLS:
INDIVIDUAL PROTECTION MEASURES, SUCH
AS PERSONAL PROTECTIVE EQUIPMENT (PPE):
HAND PROTECTION:
EYE PROTECTION:
BODY PROTECTION:

None
No special measures required.

Immediately remove soiled or soaked clothing.
Suitable protective gloves
Protective goggles
Suitable protective clothing

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:
ODOR:
ODOR THRESHOLD:
PH:
MELTING POINT /FREEZING POINT:
INITIAL BOILING POINT AND BOILING RANGE:
FLASH POINT:
EVAPORATION RATE:
FLAMMABILITY (SOLID, GAS):
UPPER/LOWER FLAMMABILITY OR
EXPLOSIVE LIMITS:
VAPOR PRESSURE:
VAPOR DENSITY:
RELATIVE DENSITY:
SOLUBILITY:
PARTITION COEFFICIENT: N-OCTANOL/WATER:
AUTO-IGNITION TEMPERATURE:
DECOMPOSITION TEMPERATURE:

Waxy, white crystalline solid
Slight bland/tallow-like odor
Not available
Not available
69.6 °C
>350 °C @ 760mm Hg
>200 °C (Pensky-Martens closed cup)
Not applicable
Not flammable
Not explosive
<1.0 mm Hg @ 165°C
Not available
0.94081 @ 20°C
None @ 20°C
8.42 (IUCLID)
>250 °C
Not available

VISCOSITY: 11.6 mPa.s @ 70 °C
9.87 mPa.s @ 70 °C (toxnet)

DENSITY @ 75 °C: 0.85 g/ml
RELATIVE MOLECULAR MASS: 256.4

10. STABILITY AND REACTIVITY

REACTIVITY: None known
CHEMICAL STABILITY: None known
POSSIBILITY OF HAZARDOUS REACTIONS: None known
CONDITIONS TO AVOID: None known
INCOMPATIBLE MATERIALS: None known
HAZARDOUS DECOMPOSITION PRODUCTS: None known

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Oral (rat): LD50 = 4600mg/kg bw (IUCLID)
SKIN CORROSION/IRRITATION:
PRIMARY SKIN IRRITATION (RABBIT): Not available
SERIOUS EYE DAMAGE/IRRITATION: Not available
RESPIRATORY OR SKIN SENSITIZATION: Not available
GERM CELL MUTAGENICITY: Not available
CARCINOGENICITY: Not available
REPRODUCTIVE TOXICITY: Not available
STOST-SINGLE / REPEATED EXPOSURE: Not available
ASPIRATION HAZARD: Not available

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:
ACUTE FISH TOXICITY: LC50>100 mg product/l.
ACUTE BACTERIA TOXICITY: EC50>100 mg product/l.
PERSISTENCE AND DEGRADABILITY: Readily biodegradable
BIOACCUMULATIVE POTENTIAL: Log Pow = 8.42
MOBILITY IN SOIL: Not available
OTHER ADVERSE EFFECT: Not available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste incineration with the approval of the responsible local authority

14. TRANSPORT INFORMATION

UN NUMBER: None
UN PROPER SHIPPING NAME: None
TRANSPORT HAZARD CLASS: Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR
PACKING GROUP: None
ENVIRONMENTAL HAZARD:
MARINE POLLUTANT: No
MARPOL ANNEX II: Category Y



15. REGULATORY INFORMATION

CLASSIFICATION AND LABELING

ACCORDING TO GHS:

None

CLASSIFICATION AND LABELING

ACCORDING TO EC:

None

16. OTHER INFORMATION

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person. The SDS has been reformatted and updated in accordance to Globally Harmonized System (GHS) guidelines. Keep away from children and pregnant women.

Revised on 8/2/2021

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although YellowBee Packaging and Supplies Inc. believes the above information to be accurate based on the information available to YellowBee, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from YellowBee meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to YellowBee Packaging and Supplies Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

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