

STEARIC ACID TP BEADS

29CFR 1910/1200 (US) WHMIS 2015 (Canada)

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1 Product Identifier

Trade Name	STEARIC ACID TP BEADS	Revision Date	2017-04-07
Synonyms	Octadecanoic acid, Hexadecanoic acid		

1.2 Relevant identified uses of the substance or mixture and uses advised against

Coatings on fresh citrus fruit, chewing gum base, fatty acids, defoaming agents, adhesives, resinous and polymeric coatings, stearic acid

1.3 Details of the supplier of the safety data sheet

YellowBee Packaging and Supplies Inc
 #106 2880 107 Ave SE
 Calgary, Alberta T2Z3R7
 (587) 352-3929

1.4 Emergency telephone number
SECTION 2: Hazards Identification
2.1 Classification of the substance or mixture

Skin corrosion/irritation Category 2

2.2 Label elements


Irritant

H315-Causes skin irritation

Prevention

P264-Wash skin thoroughly after handling.
 P280-Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352-IF ON SKIN: wash with plenty of soap and water.
 P332+P313-IF SKIN irritation occurs: Get medical advice/attention.
 P362-Take off contaminated clothing and wash before reuse.

Storage

P401-Store away from incompatible materials.

Disposal

P501-Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3 Other hazards

None known.

2.4 Unknown Acute Toxicity (US)
SECTION 3: Composition/information on ingredients
3.2 Mixtures

Chemical Name	CAS Number	EC No.	Concentration % by Weight	Classification
Hexadecanoic Acid	57-10-3	200-312-9	55 - 62	Combustible Dust
Octadecanoic Acid	57-11-4	200-313-4	38 - 45	
Fatty Acids, C16-18	67701-03-5	266-928-5	>=97	

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SECTION 4: First aid measures**4.1 Description of first aid measures**

General notes	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
After inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
After skin contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
After eye contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
After ingestion	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: None expected under normal conditions of use.
Symptoms/Injuries After Inhalation: May cause respiratory irritation.
Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	Use extinguishing media appropriate for surrounding fire. Carbon dioxide, dry chemical, sand.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Fire Hazard: Not considered flammable but will burn at high temperatures.
Explosion Hazard: Product is not explosive.
Reactivity: No reactivity hazard other than the effects described in subsections below.

5.3 Advice for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.

6.2 Environmental precautions

Avoid release to the environment. Retain and dispose of contaminated wash water. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment.

6.3 Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
The product is immiscible with water and will spread on the water surface.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent

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spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Incompatibilities/Specific end uses(s)

Incompatibilities

See Section 10 for incompatible materials.

Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

Not available.

8.2 Engineering Controls/Exposure Controls

Engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

8.3 Protective Measures

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Other Skin protection

Wear suitable protective clothing and boots.

Other protection

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene consideration

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearances	White to pale yellowish-white po	Autoignition Temp	350 °C (662°F)
Bioconcentration Factors (BCFs)	Not Available.	Boiling Points	386oC (726 oF)
Bulk Densities	Not Available.	Coefficient of Octanol	Not Available.
Colour	White, beads	Decomposition temperature	Not Available.
Densities	Not Available.	Evaporation Rate	Not Available.
Explosive properties	Not Available.	Extinguishing Media	Not Available.
Extinguishing Media for Fires	Not Available.	Flammability (solid,gas)	Not Available.
Flash Points	~ 180 °C (356°F) Cleveland Ope	Granulometry	Not Available.
		Heats of Combustion	Not Available.

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Heats of Formation	Not Available.	Henry's Law Constant	Not Available.
InChI Notations	Not Available.	Melting point/freezing point	53 - 63 °C (127.4-145.4°F)
Molecular Weights	Not Available.	Odour Threshold Values (Detect)	Not Available.
Odour Threshold Values (Recog)	Not Available.	Odours	Slight
Oxidising properties	Not Available.	Percent Volatility	Not Available.
SMILES Notations	Not Available.	Specific Gravity	0.849g/ml
State of Matter	Solid	Upper/lower flammability range	Not Available.
Vapor Densities	Not Available.	Vapor Pressures	5.06E-5 hPa @25°C
Viscosity	12 mm ² /s @70°C (ASTM D445)	Water Miscibilities	Not Available.
Water Solubilities	Insoluble in cold water, hot wate	Water Solubilities (Qualitativ	Not Available.
pH Value	Not Available.		

9.2 Other information
SECTION 10: Stability and Reactivity
10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Material is stable under normal conditions

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Direct sunlight. Avoid high temperatures.

10.5 Incompatible materials

Oxidizing agents. Reducing agents. Bases.

10.6 Hazardous decomposition products

 Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information
11.1 Information on toxicological effects
Source
Skin contact

Contact during a long period may cause light irritation.

Eye contact

May cause slight irritation to eyes.

Inhalation

May cause respiratory irritation.

Ingestion

May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to characteristics
Acute effects

Not classified

Chronic effects
Numerical measures of Toxicity
Octadecanoic Acid (57-11-4)

LD50 Dermal RABBIT	>2000 mg/kg body weight
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Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Carcinogenicity	Not classified
Germ cell mutagenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity - single exposure	Not classified

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Specific target organ toxicity - repeated exposure Not classified
Aspiration hazard Not classified

SECTION 12: Ecological information

12.1 Toxicity

No ecotoxicity data noted for the ingredient(s).

Hexadecanoic Acid (57-10-3)

LC50 FISH	150 mg/l (96 h;(SDS Toxicological Species);Oryzias latipes)
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12.2 Persistence and degradability

Easily biodegradable.

12.3 Bioaccumulative potential

Bioconcentration factor (BCF REACH) 225 L/kg
 Log Pow 7.05 - 8.23 (ASTM D445)

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4 Mobility in soil

Log Koc: 51.05

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

12.7 Additional Information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Handling for disposal	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Methods of disposal	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport Information

Ground/Rail

14.1 UN number
14.2 UN proper shipping name Not regulated as a dangerous good
14.3 Transport hazard class(es)
14.4 Packing group

Air Transport

14.1 UN number
14.2 UN proper shipping name Not regulated as a dangerous good
14.3 Transport hazard class(es)
14.4 Packing group

Sea Transport

14.1 UN number

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14.2 UN proper shipping name Not regulated as a dangerous good

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Restricted Components

Hexadecanoic Acid (57-10-3)

Octadecanoic Acid (57-11-4)

Canada	Canadian Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States of America	Toxic Substances Control Act (TSCA) Inventory List	Yes

Country or region

Inventory List

On Inventory (yes/no)

EU Regulations

15.2 Chemical Safety Assessment

SECTION 16: Other information

N/A

HEALTH	<input type="checkbox"/>
FLAMMABILITY	<input type="checkbox"/>
PHYSICAL HAZARD	<input type="checkbox"/>
PERSONAL PROTECTION	<input type="checkbox"/>

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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