



## Safety Data Sheet

### Section 1: IDENTIFICATION AND CONTACT INFORMATION

<b>Product Name</b>	Stearyl Alcohol	<b>CAS No.</b>	112-92-5
<b>Product Form</b>	Substance	<b>Product Use</b>	Intermediate, Cosmetics, Aluminum rolling lubricants.
<b>Supplier:</b>			
Golden Bough Botanicals Inc. 12 – 1585 Cliveden Avenue Delta, BC V3M 6M1			
<b>Emergency Telephone No.</b>	1-604-540-8700 (Monday – Friday 8:30 Am – 4:30 PM)		
<b>National Poison Control Centre</b>	1-800-222-1222 (24 hours a day – 7 days a week)		

### Section 2: HAZARDS IDENTIFICATION

Hazardous Material Classification (under GHS)	Hazardous Symbols	Signal Word	Hazardous Statement	Other Hazards
Not classified	Not applicable	Not applicable	Not applicable	No hazards resulting from the material as supplied.

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Item Description	%	CAS#	FEMA#	FDA
1-Octadecanol	95 - 100	112-92-5	Not available	Not available

### Section 4: FIRST AID MEASURES

<b>General</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
<b>Eye Contact</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.
<b>Skin Contact</b>	Remove contaminated clothing. Wash off with soap and water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
<b>Ingestion</b>	Do NOT induce vomiting. Consult a physician.



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### Section 4: FIRST AID MEASURES - Continue

**4.1 Most important symptoms and effects both acute and delayed:**

**General:** During processing, inhalation of fumes may cause dizziness and / or irritation to the eyes, nose and throat. Hot molten product will cause thermal burns to the skin.

**Eye Contact:** May cause slight irritation to eyes.

**Skin Contact:** May cause slight irritation to skin

**Inhalation:** May cause respiratory irritation.

**Ingestion:** Consult a physician.

**Chronic Symptoms:** None known.

**4.2 Indication of any immediate medical attention and special treatment needed:**

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

### Section 5: FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Use as appropriate: Water spray, dry chemical, foam, carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media</b>	None known
<b>Unusual Fire/Explosion Hazard</b>	Irritating and toxic gases or fumes may be released during a fire.
<b>Reactivity</b>	Hazardous reactions will not occur under normal conditions.
<b>Fire Fighting Instruction</b>	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
<b>Protection During Firefighting</b>	Do not enter fire area without proper protective equipment, including respiratory protection.
<b>Hazardous Combustion Products</b>	Not available
<b>Reference to Other Sections</b>	Refer to section 9 for flammability properties.



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### Section 6: ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

<b>Accidental Release Measures</b>	Not available.
<b>Environmental Precautions</b>	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
<b>Methods and Material for containment and cleaning up</b>	<b>For Containment:</b> Absorb and/or contain spill with inert material. <b>Methods for Cleaning Up:</b> Clean up spills immediately and dispose of waste safely. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generation of dust during clean-up of spills. Absorb with sand or other inert absorbent material: Sand, Silica gel, Acid binder or Universal binder.
<b>Personal Precautions, protective equipment and emergency procedures</b>	<b>General measures:</b> Avoid breathing (vapour, mist, dust). Avoid all unnecessary exposure. See protective measures under Section 7 and 8. <b>For Non-Emergency Personnel:</b> <i>Protective Equipment:</i> Use appropriate personal protection equipment. <i>Emergency Procedures:</i> Evacuate unnecessary personnel. <b>For Emergency Personnel:</b> <i>Protective Equipment:</i> Equip clean-up crew with proper protection. <i>Emergency Procedures:</i> Eliminate ignition sources. Ventilate area.
<b>Reference to Other Sections</b>	See section 8, Exposure Controls and Personal Protection.

### Section 7: HANDLING AND STORAGE

#### 7.1 Precautions for Safe Handling

**Additional Hazards When Processed:** Avoid unnecessary contact. No smoking. Use care to minimize generation of dust.

**Hygiene Measures:** 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.

#### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Good housekeeping is needed during storage, transfer, handling and use of this material to avoid excessive dust accumulation.




**Storage Condition:** Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from ignition sources.

**Incompatible Materials:** Not available.



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### Section 8: EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

<b>Control Parameters</b>	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), OSHA (PEL), Canadian provincial governments, or the Mexican government.
<b>Exposure Controls</b>	<b>Appropriate Engineering Controls:</b> Provide adequate general and local exhaust ventilation. Prevent dust accumulation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. <b>Personal Protective Equipment:</b> Protective goggles. Gloves. Protective clothing,
	  
<b>Materials for protective clothing</b>	Chemically resistant materials and fabrics.
<b>Hand Protection</b>	Wear chemically resistant protective gloves.
<b>Eye Protection</b>	Chemical safety glasses.
<b>Skin and Body Protection</b>	Wear suitable protective clothing. Wash contaminated clothing before reuse.
<b>Respiratory Protection</b>	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
<b>Other Information</b>	When using, do not eat, drink or smoke.



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### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Decomposition Temp.	Not available
Appearance	Waxy white flakes, pastilles	Flammability (Solid, gas)	Not available
Odour	Mild, Soapy	Lower Flammable Limit	Not available
Odour Threshold	Not available	Upper Flammable Limit	Not available
pH	Not available	Vapour Pressure	<1mm Hg at 72 °F (22 °C)
Evaporation Rate	Not available	Relative Vapour Density @20 °C	Not available
Melting Point	56 – 60 °C (132.8 – 140.0 °F)	Relative Density	0.81 at 65/25 °C
Freezing Point	Not available	Specific Gravity	0.812
Boiling Point	>249 °C (101.3 kPa) (480.20 °F)	Solubility	Water: Negligible at 72 °F (22 °C)
Flash Point	172.2 °C PMCC (341.96 °F)	Partition Coefficient; N-Octanol/Water	Not available
Auto-ignition Temp.	Not available	Viscosity	Not available

### Section 10: STABILITY AND REACTIVITY

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Direct sources of heat. Contamination, Sunlight, Ionizing radiation.
Incompatible Materials	Not available
Hazardous Decomposition Products	No decomposition if stored normally



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### Section 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on Toxicological Effects - Product</b>	
<b>Acute Toxicity</b>	Not classified
<b>LD50 and LC50 Data</b>	Not available
<b>Skin Corrosion / Irritation</b>	Not classified
<b>Serious Eye Damage / Irritation</b>	Not classified
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Teratogenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure)</b>	Not classified
<b>Reproductive Toxicity</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure)</b>	Not classified
<b>Aspiration Hazard</b>	Not classified
<b>Symptoms / Injuries After Inhalation</b>	May cause respiratory irritation
<b>Symptoms / Injuries After Skin Contact</b>	Non-sensitizing
<b>Symptoms / Injuries After Eye Contact</b>	Not classified
<b>Symptoms / Injuries After Ingestion</b>	Not classified
<b>11.2 Information on Toxicological Effects – Ingredient(s)</b>	
LD50 and LC50 Data	
1-Octadecanol (112-92-5)	
<b>Acute: LD50 Oral Rat</b>	>2000 mg/kg, bw. OECD 401
<b>Acute: LD50 Dermal Rabbit</b>	8000 mg/kg, 24 hours, bw. Read-across 112-72-1



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### Section 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	
1-Octadecanol (112-92-5)	
<b>Acute: LC50 Fish 1</b>	> 0.4 mg/l, 96 hours, OECD 203. (Species: Oncorhynchus mykiss)
<b>Acute: EC50 Crustacea 1</b>	1700 mg/l, 48 hours, OECD 202. (Species: Daphnia magna)
<b>12.2 Persistence and Degradability:</b> Expected to be readily biodegradable	
<b>12.3 Bio-accumulative Potential</b>	
<b>Octanol / water partition coefficient log Kow</b>	7.4
<b>12.4 Mobility in Soil:</b> Not available	
<b>12.5 Other Adverse Effects</b>	
<b>Other Information</b>	Avoid release to the environment.

### Section 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	<p><b>Waste Disposal Recommendations:</b> Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.</p> <p><b>Additional Information:</b> Dispose in accordance to applicable laws.</p> <p><b>Ecology – Waste Materials:</b> Avoid release to the environment.</p>
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### Section 14: TRANSPORT INFORMATION

In Accordance with DOT	In Accordance with IMDG	In Accordance with IATA	In Accordance with TDG
Not Regulated	Not Regulated	Not Regulated	Not Regulated



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### Section 15: REGULATORY INFORMATION

1-Octadecanol (112-92-5)	
<b>US Federal Regulations</b>	Listed on the United States TSCA (Toxic Substances Control Act) Inventory
<b>US State Regulations</b>	Neither this product nor its chemical components appear on any US State lists.
<b>Canadian Regulations</b>	Listed on the Canadian DSL (Domestic Substances List)
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.	

### Section 16: OTHER INFORMATION

<b>Revision date:</b> August 31, 2017	<b>Reason for Revision:</b> New SDS
<b>Other Information:</b> This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.	

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.