

SAFETY DATA SHEET

1. Identification

GHS product identifier	CO-1895 NF
SDS number	ALCH418
Product Code	99456616
Version #	05
Issue date	05-19-2014
Revision date	05-19-2014
Product use	Cosmetics. Intermediate. Aluminum rolling lubricants.
Recommended Restrictions	Not available.
Synonym(s)	STEARYL ALCOHOL
Manufacturer	The Procter & Gamble Company Procter & Gamble Chemicals Sharon Woods Innovation Center 11530 Reed Hartman Highway Cincinnati, OH 45241 United States For Quality Service or Product Related Questions Call: 1-800-477-8899 PGChemMSDS.IM@pg.com For Emergency Contact CHEMTREC: 1-800-424-9300 U.S. and Canada For Calls Originating Elsewhere CHEMTREC: 1-703-527-3887

2. Hazards identification

GHS classification	
Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
GHS label elements	
Signal words	Not applicable.
Symbols	None.
Hazard statement	None.
Precautionary statement	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Specific hazards	None known.

3. Composition/information on ingredients

Components	CAS #	Percent
1-OCTADECANOL	112-92-5	95 - 100

4. First aid measures

First aid procedures

Eye	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
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Skin	Wash off with soap and water.
Inhalation	Remove from area of exposure. Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Consult a physician for specific advice.
Ingestion	Consult a physician. Do not induce vomiting without advice from poison control center or doctor. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Notes to physician	Not available.
General advice	If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Water spray. Dry chemical. Foam. Carbon dioxide (CO2).

Unsuitable extinguishing media None known.

Protection of firefighters

Specific hazards arising from the chemical Irritating and toxic gases or fumes may be released during a fire.

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective clothing.

Fire fighting equipment/instructions Firefighters should wear full protective clothing including self contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

Personal precautions Wear appropriate personal protective equipment.

Environmental precautions Avoid subsoil penetration. Do not allow to enter drains, sewers or watercourses.

Methods for containment Not available.

Methods for cleaning up Absorb with sand or other inert absorbent. Sand. Silica gel. Acid binder. Universal binder. Sawdust.

7. Handling and storage

Handling Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

Storage No special storage precautions noted.

Not regulated as dangerous goods.

8. Exposure controls / personal protection

Engineering controls Mechanical ventilation or local exhaust ventilation may be required.

Personal protective equipment

General Observe good industrial hygiene practices. Wear suitable protective clothing, gloves and eye/face protection. Avoid contact with eyes.

Eye/face protection Safety glasses.

Skin protection Wear suitable protective clothing and gloves.

Respiratory protection No personal respiratory protective equipment normally required. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with combination filter (type A2/P2).

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls Additional information is available by request.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Color	Waxy. White.
Form	Solid.
Odor	Mild. Soapy.
Odor threshold	Not available.
pH	Not available.
Melting point/Freezing point	132.8 - 140 °F (56 - 60 °C)
Boiling point	> 480.2 °F (> 249 °C) 101.3232 kPa
Flash point	342.00 °F (172.22 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Flammability limits in air, lower, % by volume	Not available.
Flammability limits in air, upper, % by volume	Not available.
Vapor pressure	< 1 mm Hg at 22°C
Vapor density	Not available.
Relative density	Not available.
Solubility (H2O)	Negligible @ 72 F (22 C)
Partition coefficient (n-octanol/water)	See section 12.
Decomposition temperature	Not available.
Viscosity	Not available.
Specific gravity	0.812381238

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does 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.

11. Toxicological information

Toxicological data

Components	Species	Test Results
1-OCTADECANOL (112-92-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	8000 mg/kg, 24 hours, bw. Read-across 112-72-1.
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg, bw. OECD 401.
General information	Not available.	

Information on likely routes of exposure

Ingestion Not classified.

Inhalation Not classified.

Skin contact Not classified.

Eye contact Not classified.

Acute effects Not classified.

Sensitization Not classified.

Skin sensitization

1-OCTADECANOL

In vivo, OECD 406.
Result: Non-sensitizing

Carcinogenicity Not classified. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity Not classified.

Germ cell mutagenicity: Ames test

1-OCTADECANOL

5000 In vitro, µg/plate. OECD 401.
Result: Negative
Species: Salmonella Typhimurium (Salmonella enterica)

Germ cell mutagenicity: Chromosome aberration

1-OCTADECANOL

In vivo, OECD 474.
Result: Negative
Species: Mouse
Test Duration: 24 hours

Reproductive effects Not classified.

Fertility effects - Males and females

1-OCTADECANOL

2000 mg/kg bw/day, OECD 422.
Result: No effects
Species: Rat

Teratogenicity Not classified.

Developmental effects

1-OCTADECANOL

2000 mg/kg bw/day NOAEL, Draft OECD 422.
Result: No effects
Species: Rat

Skin corrosion/irritation Not classified.

Irritation Corrosion - Skin

1-OCTADECANOL

In vivo, OECD 404.
Result: No effects
Species: Rabbit
Test Duration: 4 hours

Serious eye damage/eye irritation Not classified.

Irritation Corrosion - Eye

1-OCTADECANOL

In vivo, OECD 405.
Result: No effects
Species: Rabbit

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

1-OCTADECANOL

1000 mg/kg bw/day Subacute NOAEL

Result: No effects

Species: Rat

Test Duration: 28 days

Other information This product has no known adverse effect on human health.

12. Ecological information

Ecotoxicological data

Components		Species	Test Results
1-OCTADECANOL (112-92-5)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	1700 mg/l, 48 hours, OECD 202.
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 0.4 mg/l, 96 hours, OECD 203.
<i>Chronic</i>			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	> 0.0011 mg/l, 96 hours, OECD 201.
Crustacea	NOEC	Water flea (Daphnia magna)	47.6 µg/l, 21 days, EPA OPPTS 850.1300.

Ecotoxicity Not classified

Environmental effects Not classified as an environmental hazard.

Persistence and degradability Expected to be readily biodegradable.

Photolysis

Half-life (Photolysis-atmospheric)

1-OCTADECANOL 14.4 hours

Biodegradability

Percent degradation (Aerobic biodegradation)

1-OCTADECANOL 336, µg/kg. 88.4%.
Result: Readily biodegradable.
Species: River sediment
Test Duration: 60 days

Bioaccumulative potential Will not bio-accumulate.

Octanol/water partition coefficient log Kow

1-OCTADECANOL 7.4

Mobility in soil Not classified.

Adsorption

Soil/sediment sorption - log Koc

1-OCTADECANOL 5.67
Species: WWTP (Waste water treatment plant)
Test Duration: 72 hours

Other adverse effects Not available.

13. Disposal considerations

Disposal methods Can be incinerated when in compliance with local regulations.

Waste from residues / unused products Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Contaminated packaging Dispose in accordance with all applicable regulations.

14. Transport information

General Not regulated for transport.

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey RTK - Substances: Listed substance

Contains no New Jersey Right To Know Substances

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Contains no Pennsylvania Right To Know hazardous substances

16. Other information

HMIS® ratings

Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 0
Flammability: 1
Instability: 0

Disclaimer

The submission of the SDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product. The information in the sheet was written based on the best knowledge and experience currently available.

This data sheet contains changes from the previous version in section(s):

Physical & Chemical Properties: Multiple Properties
Toxicological information: Ingestion
Toxicological information: Inhalation
Toxicological information: Skin contact
Toxicological information: Eye contact
Ecological information: Mobility in soil
Ecological information: Ecotoxicity
Regulatory Information: United States