

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name of the substance CO-1897 (EU) Nederlands

Identification Number 112-92-5

Registration number 01-2119485907-20-0008

Synonyms STEARYL ALCOHOL

Product code 98660109

Date of first issue 25-August-2009

Version number 06

Revision date 28-January-2011

Supersedes date 18-January-2011

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

Identified uses Intermediate. Laboratory chemicals. Lubricant. Lubricant additives. Processing aid. Solvents.

Uses advised against None known.

Details of the supplier of the safety data sheet

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SDS number ALCH472

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This substance does not meet the criteria for classification according to Directive 67/548/EEC as amended

Classification according to Regulation (EC) No 1272/2008 as amended

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

Environmental hazards Not classified for hazards to the environment.

Specific hazards Not available.
 Main symptoms Eyes. May cause minor irritation on eye contact. Skin. Prolonged or excessive skin contact with this product may cause mild skin irritation. When it is heated, this material may cause thermal burns. Inhalation. Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Ingestion. May cause irritation of the gastrointestinal tract.
 Dust may be slightly irritating to eyes and respiratory tract.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 1-OCTADECANOL
 Identification Number 112-92-5
 Hazard statements The substance does not meet the criteria for classification.

Precautionary statements

Prevention Not available.
 Response Not available.
 Storage Not available.
 Disposal Not available.

Supplemental label information Not applicable.

Other hazards Not assigned.
 Emergency overview May be combustible.

Section 3: Composition/information on ingredients

Substance

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
1-OCTADECANOL	97,5-100	112-92-5 204-017-6	01-2119485907-20-0008	-	#
Classification:	DSD: -				
	CLP: -				

CLP: Regulation No. 1272/2008.
 DSD: Directive 67/548/EEC.
 #: This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

Composition comments Occupational Exposure Limits for impurities are listed in Section 8.

Section 4: First aid measures

General information If you feel unwell, seek medical advice (show the label where possible).
 Take off all contaminated clothing immediately.

Description of first aid measures

Inhalation Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
 Skin contact Not available.
 Eye contact Flush thoroughly with water for at least 15 minutes. Get medical assistance.
 Ingestion Get medical attention. 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.

Most important symptoms and effects, both acute and delayed Not available.

Indication of any immediate medical attention and special treatment needed Not available.

Section 5: Firefighting measures

General fire hazards Not available.

Extinguishing media

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

Unsuitable extinguishing media Not available.

Special hazards arising from the substance or mixture Not available.

Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special firefighting procedures Not available.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear a dust mask if dust is generated above exposure limits. Wear appropriate protective equipment and clothing during clean-up.

For emergency responders Not available.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up Not available.

Reference to other sections Not available.

Section 7: Handling and storage

Precautions for safe handling Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities No special storage precautions noted.

Specific end use(s) Not available.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Material	Type	Value
1-OCTADECANOL (112-92-5)	AGW	20,000 ppm 224,000 mg/m ³

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Local exhaust is recommended. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

General information Avoid contact with eyes. Wear suitable gloves and eye/face protection.

Eye/face protection Tightly fitting safety goggles.

Skin protection

- Hand protection Chemical resistant gloves.

- Other Wear full protective clothing for prolonged exposure and/or high concentrations.

Respiratory protection None required where adequate ventilation conditions exist. When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

Thermal hazards Not available.

Hygiene measures Handle in accordance with good industrial hygiene and safety practices. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls Not available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Solid. Flakes. Powder.
Physical state	Solid.
Form	Solid.
Colour	Waxy White.
Odour	Mild. Soapy.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	57 °C (134,6 °F)
Boiling point, initial boiling point, and boiling range	335 °C (635 °F)
Flash point	195 °C (383 °F) Pensky-Martens Closed Cup
Auto-ignition temperature	269 °C (516,2 °F)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	0,001 mbar
Evaporation rate	Not applicable.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	7,4 - 8,2
Decomposition temperature	Not available.
Viscosity	4,006 mm ² /s
Other data	
Dissociation constant	15,8
Surface tension	31,8 mN/m
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	Strong oxidizing agents.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Not available.
Incompatible materials	Not available.
Hazardous decomposition products	No hazardous decomposition products are known.
Materials to avoid	Strong oxidizing agents.

Section 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	Not available.

Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Symptoms	Not available.

Information on toxicological effects

Acute toxicity Not available.

Product

Test results

1-OCTADECANOL (112-92-5)

Acute Dermal LD50 Rabbit: > 3 g/kg

Acute Oral LD50 Rat: > 5000 mg/kg

Acute Oral LD50 Rat: 20 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not available.
Respiratory sensitisation	Not available.
Skin sensitisation	Not available.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not classified.
Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
Mixture versus substance information	Not available.
Other information	This product has no known adverse effect on human health.

Section 12: Ecological information

Toxicity	No toxicity data noted for the ingredient(s).
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not available.
Other adverse effects	Not available.
Persistence and degradability	No data is available on the degradability of this product.
Persistence and degradability	No data is available on the degradability of this product.

Section 13: Disposal considerations

Waste treatment methods	
Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	Can be incinerated when in compliance with local regulations. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

Section 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed.

Regulation (EC) No. 1907/2006, Article 59(1). Candidate List

Not listed.

Other regulations This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations This substance is not classified according to Directive 67/548/EEC.

Chemical safety assessment Not available.

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
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
Switzerland	Switzerland FOPH	No
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)

Section 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	None.
Revision information	Section 8: Exposure controls/personal protection: Appropriate engineering controls
Training information	Not available.
Disclaimer	The submission of the MSDS 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.
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