

Safety Data Sheet
according to GHS 3rd Revision, Annex IV

Printing date 05.04.2016

Version number 6

Revision: 05.04.2016

1 Identification of the substance/mixture and of the company/undertaking**· Product identifier****· Trade name: PALMEROL 1698****· Description:** Cetyl Alcohol**· CAS Number:**

36653-82-4

· EC number:

253-149-0

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

No further relevant information available.

· Application of the substance / the mixture

Chemicals for synthesis

Chemical intermediate

Lubricant

Intermediate

Skin cosmetics

Cosmetic auxiliary

· Details of the supplier of the safety data sheet**· Distributed By:**

Silver Fern Chemical, Inc.

121 W De La Guerra St STE B

Santa Barbara, CA 93101

Phone: 1-866-282-3384

Info@silverfernchemical.com

· Emergency telephone number:

24 Hour Emergency Contact

Infotrac 1-800-535-5053 (USA & Canada)

Outside USA & Canada 1-352-323-3500

2 Hazards identification**· Classification of the substance or mixture**

The substance is not classified according to the Globally Harmonised System (GHS).

· Label elements**· GHS label elements** Not applicable**· Hazard pictograms** Not applicable**· Signal word** Not applicable**· Hazard statements** Not applicable**· Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.

(Contd. on page 2)

-STD-

Safety Data Sheet

according to GHS 3rd Revision, Annex IV

Printing date 05.04.2016

Version number 6

Revision: 05.04.2016

Trade name: PALMEROL 1698· **vPvB:** Not applicable.

(Contd. of page 1)

3 Composition/information on ingredients

- **Chemical characterization: Substance**
- **CAS No. Description**
36653-82-4 hexadecan-1-ol
- **Identification number(s)**
- **EC number:** 253-149-0
- **Additional information:**
The product is not classified as hazardous to health or environment according to the CLP regulation.

4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
Call a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose of the material collected according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

—STD—

(Contd. on page 3)

Trade name: PALMEROL 1698

(Contd. of page 2)

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Open and handle receptacle with care.
Keep away from heat and direct sunlight.
Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:**
Dust can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Be sure to clean skin thoroughly after work and before breaks.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing
- **Respiratory protection:** Use suitable respiratory protective device only when aerosol or mist is formed.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses
Goggles recommended during refilling

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Colour:	White
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**

Melting point/Melting range:	ca. 47 - 50 °C
Boiling point/Boiling range:	ca. 305 - 335 °C (at 760 mmHg)
- **Flash point:** ca. 155 - 160 °C (Pensky-Martens Closed Cup)
- **Flammability (solid, gaseous):** Product is not flammable

(Contd. on page 4)

Safety Data Sheet

according to GHS 3rd Revision, Annex IV

Printing date 05.04.2016

Version number 6

Revision: 05.04.2016

Trade name: PALMEROL 1698

(Contd. of page 3)

· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 22 °C:	< 1 mmHg
· Density:	Not determined.
· Relative density at 70 °C	ca. 0,822
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 60 °C:	6 - 9 mPas
Kinematic:	Not applicable.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable at environment temperature.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
Risk of dust explosion.
As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
- **Conditions to avoid** See Section 7 for information on safe handling.
- **Incompatible materials:** See Section 7 for information on safe handling.
- **Hazardous decomposition products:**
Irritant gases/vapours
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· LD/LC50 values relevant for classification:

36653-82-4 hexadecan-1-ol

Oral	LD50	> 5000 mg/kg bw (Rat)
Dermal	LD50	> 5000 mg/kg bw (Rabbit)
Inhalative	LC50 (4h)	9,6 mg/L (Rat) (No local or systemic effects noted)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritating effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

(Contd. on page 5)

-STD-

Safety Data Sheet

according to GHS 3rd Revision, Annex IV

Printing date 05.04.2016

Version number 6

Revision: 05.04.2016

Trade name: PALMEROL 1698

(Contd. of page 4)

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity: Negative.

Carcinogenicity: No further relevant information available.

Toxicity for reproduction: No further relevant information available.

12 Ecological information**· Aquatic toxicity:****36653-82-4 hexadecan-1-ol**LC50 (96h) 676 mg/L (Algae, *Scenedesmus subspicatus*)**· Persistence and degradability** Easily biodegradable**· Behaviour in environmental systems:****· Bioaccumulative potential** Does not accumulate in organisms**· Mobility in soil** No further relevant information available.**· Additional ecological information:****· General notes:**

WGK Germany: nwg

WGK Registration 656 for CAS No. 36653-82-4.

Generally not hazardous for water

· Results of PBT and vPvB assessment**· PBT:** Not applicable.**· vPvB:** Not applicable.**· Other adverse effects** No further relevant information available.**13 Disposal considerations****· Waste treatment methods****· Recommendation** Must be specially treated adhering to official regulations.**· Uncleaned packaging:****· Recommendation:** Packagings that may not be cleansed are to be disposed of in the same manner as the product.**14 Transport information****· UN-Number****· ADR, ADN, IMDG, IATA**

Not regulated

· UN proper shipping name**· ADR, ADN, IMDG, IATA**

Not regulated

· Transport hazard class(es)**· ADR, ADN, IMDG, IATA****· Class**

Not regulated

· Packing group**· ADR, IMDG, IATA**

Not regulated

· Environmental hazards:**· Marine pollutant:**

No

· Special precautions for user

Not applicable.

· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product name : Alcohols (C14-18), primary, linear and essentially linear
 Pollution category: Y
 Ship type: 2

· UN "Model Regulation":

Not regulated

15 Regulatory information**· Safety, health and environmental regulations/legislation specific for the substance or mixture****· GHS label elements** Not applicable

(Contd. on page 6)

Safety Data Sheet

according to GHS 3rd Revision, Annex IV

Printing date 05.04.2016

Version number 6

Revision: 05.04.2016

Trade name: PALMEROL 1698

(Contd. of page 5)

- **Hazard pictograms** Not applicable
 - **Signal word** Not applicable
 - **Hazard statements** Not applicable
 - **Other regulations, limitations and prohibitive regulations**
Positive Country Substance Listing for CAS No. 36653-82-4:
USA (TSCA), Canada (DSL), Europe (EINECS) : 253-149-0, Japan (ENCS) : 2-217, Australia (AICS), Korea (ECL) : KE-18460, China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (CSNN).
- Note: The substance name and CAS numbers which are used for this product in the stated inventories may deviate from the information listed in Section 3.
- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** enquiry@klkoleo.com
- **Contact:** enquiry@klkoleo.com
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
RA : Read across
LDLo: Lowest Published Lethal Dose
VOID: Not regulated / Not Classified / Not a Dangerous Good
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
- **Sources**
Official Journal of the European Union Regulation (EC) No 1907/2006
Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition.
Official Journal of the European Union Regulation (EC) No 1272/2008
Official Journal of the European Union Commission Regulation (EU) No 453/2010
IMO (2008). IMDG Code International Maritime Dangerous Goods Code. Incorporating Amendment 34-08. 2008 Edition, Volume 1 & 2.
IMO (2007). IBC Code 2007 Edition.
ECHA Registered Substance Database for CAS No. 36653-82-4.
IUCLID Dataset for CAS No. 36653-82-4 dated 18 Feb 2000.
HSDB for CAS No. 36653-82-4.
PAN Pesticide Database for CAS No. 36653-82-4.
- *** Data compared to the previous version altered.**
PALMEROL 1698 (Standard)

Revision 1 (27 Apr 2011)
New issuance GHS/CLP SDS.

Revision 2 (1 Jul 2011)
Sect. 1 - Update Trade Name from PALMEROL 1698NF to PALMEROL 1698 to consistent with PDS update.

Revision 3 (6 Sep 2011)
Sect. 1 - Include REACH registration number 01-2119485905-24-004.

Revision 4 (3 May 2013)
Sect. 15 - Update Chemical Safety Assessment status.

Revision 5 (9 Apr 2015)
Sect. 7 & 10 - Add safety phrases on dust explosion risk.
Sect. 12 - Add WGK Reg. No. 656 for CAS No. 36653-82-4.
Sect. 14 - Update transportation information format. Revise IBC product name to Alcohols (C14-18), primary, linear and essentially linear.
Sect. 15 - Update Positive Country Substance Listing.

Revision 6 (05 Apr 2016)

(Contd. on page 7)

Safety Data Sheet
according to GHS 3rd Revision, Annex IV

Printing date 05.04.2016

Version number 6

Revision: 05.04.2016

Trade name: PALMEROL 1698

Sect. 1 - Update 'skin cosmetic' and 'auxilliary cosmetic" as identified uses.

(Contd. of page 6)

— STD —

END

Approved BR 01-16-2026