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Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 02.09.2024 Version number 4 Revision: 02.09.2024

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1 Identification of the hazardous chemical and of the supplier

· **Product identifier**

· **Trade name: PALMEROL 1214**
· **Description:**
Lauryl-Myristyl Alcohol,
Lauryl-Myristyl Alcohol / RSPO MB

· **CAS Number:**
80206-82-2
· **EC number:**
279-420-3
· **Recommended use of the chemical and restrictions on use** No further relevant information available.
· **Application of the substance / the mixture** Intermediate

Manufacturer and supplier identifiers and contact details removed.

Refer to the complete manufacturer SDS for current emergency telephone numbers.

2 Hazard 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.
· **vPvB:** Not applicable.

3 Composition and information of the ingredients of the hazardous chemical

· **CAS No. Description**
80206-82-2 Alcohols, C12-14
Alternative CAS numbers: 112-53-8, 112-72-1
· **EC number:** 279-420-3
· **Additional information:** This product is not clasified as hazardous to health or environment according to GHS.

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:**
If skin irritation continues, consult a doctor.

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Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Call a doctor immediately.
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
· **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 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
Sand
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
· **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:**
Wear fully protective suit.
Wear self-contained respiratory protective device.
In case of insufficient ventilation, wear suitable respiratory equipment.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
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:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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.

7 Handling and storage

· **Handling:**
· **Precautions for safe handling** Keep away from heat and direct sunlight.
· **Information about fire - and explosion protection:**
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 and personal protection

· **Additional information about design of technical facilities:** No further data; see section 7.

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· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Respiratory protection:** Suitable respiratory protective device recommended.
· **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:**
Goggles recommended during refilling
Safety glasses

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Colourless
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/freezing point	ca. 17 - 23 °C (ASTM D1982)
Initial boiling point and boiling range	ca. 255 - 305 °C
· **Flash point:**	136 °C (Pensky-Martens Closed Cup)
· **Flammability**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature**	ca. 250 - 280 °C
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure at 20 °C:**	ca. 0.023 mmHg
· **Density:**	Not determined.
· **Relative density at 35 °C**	ca. 0.823
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water at 20 °C:**	ca. 1 mg/L
· **Partition coefficient: n-octanol/water**	Not determined.
· **Viscosity:**	
Dynamic at 40 °C:	ca. 11 - 13 mPas
Kinematic:	Not determined.

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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**
Violent reactions possible with:
Strong alkalis, strong oxidizing agents, acid chlorides, acid anhydrides.
· **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:**		
80206-82-2 Alcohols, C12-14		
Oral	LD50	>10,000 mg/kg bw (Rat)

· **Primary irritant effect:**
· **Skin corrosion or irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage or eye irritation** Based on available data, the classification criteria are not met.
· **Respiratory / skin sensitization** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **Toxicity for reproduction** Based on available data, the classification criteria are not met.
· **Specific target organ toxicity (STOT) – single exposure**
Based on available data, the classification criteria are not met.
· **Specific target organ toxicity (STOT) – repeated exposure**
Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
80206-82-2 Alcohols, C12-14	
EC50 (48h)	320 mg/L (Daphnia magna)
LC50 (48h)	>5,000 mg/L (Fish)

· **Persistence and degradability** Biodegradable
· **Other information:**
CAS No. 80206-82-2
OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
79% degradation after 28 days.
Remarks: RA CAS No. 112-53-8, dodecan-1-ol
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

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13 Disposal information

· **Waste treatment methods**
· **Recommendation** Must be specially treated adhering to official regulations.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transportation information

· **UN-Number** · **ADR/RID/ADN, IMDG, IATA**	Not regulated
· **UN proper shipping name** · **ADN, IMDG, IATA**	Not regulated
· **Transport hazard class(es)** · **ADR/RID/ADN, ADN, IMDG, IATA** · **Class**	Not regulated
· **Packing group** · **ADR/RID/ADN, IMDG, IATA**	Not regulated
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Not regulated

15 Regulatory information

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

· **EHS reference list**
Substance is not listed.

· **GHS label elements** Not applicable
· **Hazard pictograms** Not applicable
· **Signal word** Not applicable
· **Hazard statements** Not applicable
·

Directive 2012/18/EU
Named dangerous substances - ANNEX I
Substance is not listed.

· **Other regulations, limitations and prohibitive regulations**

Positive Country Substance Listing for CAS No. 80206-82-2:
Canada (DSL), Europe (EINECS) : 279-420-3, Japan (ENCS) : 2-217, Australia (AIIC), Korea (KECI/KECL) : KE-00305, China (IECSC) : 05173, Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI), Vietnam (VNCI).

Positive Country Substance Listing for 1-Dodecanol CAS No. 112-53-8:
USA (TSCA), Canada (DSL), Europe (EINECS): 203-982-0, Japan (ENCS) : 2-217, Australia (AIIC), Korea (KECI/KECL) : KE-12888, China (IECSC) : 30481, China (IECIC) : 08273, Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI), Mexico (INSQ), Thailand (TECI), Vietnam (VNCI).

Positive Country Substance Listing for 1-Tetradecanol CAS No. 112-72-1:
USA (TSCA), Canada (DSL), Europe (EINECS) : 204-000-3, Japan (ENCS) : 2-217, Australia (AIIC), Korea (KECI/KECL) : KE-33362, China (IECSC) : 30997, China (IECIC) : 05576, Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI), Mexico (INSQ), Thailand (TECI), Vietnam (VNCI).

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.

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The information provided in this Safety Data sheet is correct to the best of the manufacturer's knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for such product when used in combination with any other material or in any process, unless specified in this SDS. The manufacturer specifically disclaims any liability for any loss, injury or damage which may result from user or misuse of this product.

All chemicals should be handled only by competent personnel, within a controlled environment. It is the buyer's/ user's responsibility to ensure that his activities comply with all applicable federal, state, provincial and local laws, and to determine the conditions necessary for the safe user of this product. The manufacturer urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product.

Publisher contact details removed in this reference copy.

· **Abbreviations and acronyms:**
RA : Read across
LDLo: Lowest Published Lethal Dose
VOID: Not regulated / Not Classified / Not a Dangerous Good
LoS: Limit of Solubility
COS: Cornea Opacity Score
COC: Cleveland Open Cup
ADR: Accord relatif au transport international 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**
Annex 12 of Resolution MEPC.225(64) 2012 Amendments to The International Code For The Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code).
ECHA Registered Database for CAS No. 80206-82-2.
Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition.
IMO (2007). IBC Code 2007 Edition.
IMO (2008). IMDG Code International Maritime Dangerous Goods Code. Incorporating Amendment 34-08. 2008 Edition, Volume 1 & 2.
IUCLID Dataset for Substance ID: 80206-82-2; Alcohols, C12-14 dated 19 Feb 2000.
Official Journal of the European Union Regulation (EC) No 1272/2008.
Official Journal of the European Union Regulation (EC) No 1907/2006.
Official Journal of the European Union Commission Regulation (EU) No 453/2010.
Official Journal of the European Union Commission Regulation (EU) 2015/830.
SIDS Initial Assessment Report For SIAM 22 Paris, France, 18 – 21 April 2006. Category Name Long Chain Alcohols (C6-22 primary aliphatic alcohols)

· *** Data compared to the previous version altered.**

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