



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: CETYL-STEARYL ALCOHOL – RSPO MB (C2310)
CAS#: 67762-27-0
EC No.: 267-008-6
SUPPLIER NAME: Jedwards International, Inc.
SUPPLIER ADDRESS: 141 Campanelli Drive
Braintree, MA 02184 USA
TELEPHONE NUMBER: (617) 472-9300
RECOMMENDED USE: For manufacturing and repackaging use only
EMERGENCY TELEPHONE NUMBER: Chemtrec 1-800-424-9300 (24 hrs)

02. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE:
OR MIXTURE Not classified.

GHS LABEL ELEMENTS

SIGNAL WORD: No signal word.
HAZARD STATEMENTS: No known significant effects or critical hazards.
PRECAUTIONARY STATEMENTS
PREVENTION: Not applicable.
RESPONSE: Not applicable.
STORAGE: Not applicable.
DISPOSAL: Not applicable.

Other hazards which do not:
result in classification None known.

03. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Substance
CHEMICAL NAME: Alcohols, C16-18
OTHER MEANS OF IDENTIFICATION: Cetyl-Stearyl Alcohol

CAS NUMBER/OTHER IDENTIFIERS

CAS NUMBER: 67762-27-0
EC NUMBER: 267-008-6

INGREDIENT NAME	%	CAS NUMBER
Alcohols, C16-18	100	67762-27-0
Octadecan-1-ol	66 – 76	112-92-5
Hexadecan-1-ol	22 - 32	36653-82-4

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



Occupational exposure limits, if available, are listed in Section 8.

04. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SKIN CONTACT:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
INGESTION:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT:	No known significant effects or critical hazards.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION	No known significant effects or critical hazards.

OVER -EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT:	No specific data.
INHALATION:	No specific data.
SKIN CONTACT:	No specific data.
INGESTION:	No specific data.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO PHYSICIAN:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SPECIFIC TREATMENTS:	No specific treatment.
PROTECTION OF FIRST AIDERS:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)



05. FIRE - FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA:

In case of fire, use water spray (fog), foam, dry chemical or CO₂.

UNSUITABLE EXTINGUISHING MEDIA:

Do not use water jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No specific fire or explosion hazard.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE -FIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDERS:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

SMALL SPILL:

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL:

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



07. HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING:

PROTECTIVE MEASURES:

Put on appropriate personal protective equipment (see Section 8).

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING:
ANY INCOMPATIBILITIES

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

NONE

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

ENVIRONMENTAL EXPOSURE CONTROLS:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations safety showers are close to the workstation location.



EYE/FACE PROTECTION:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following and protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: Safety glasses with side shields.

SKIN PROTECTION

HAND PROTECTION:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

BODY PROTECTION:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Personnel should wear protective clothing.

OTHER SKIN PROTECTION:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Suitable protective footwear.

RESPIRATORY PROTECTION:

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: No special measures are required.

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE:

Solid. [pellet Pearls.]

COLOR:

White.

ODOR:

Not available.

ODOR THRESHOLD:

Not available.

PH:

NOT available.

MELTING POINT:

53,4°C (128,1°F)

BOILING POINT:

310 to 360°C (590 to 680°F)

FLASH POINT:

Closed cup: 180,5°C (356,9°F)

EVAPORATION POINT:

Not available.



FLAMMABILITY (SOLID, GAS):	Not available.
LOWER AND UPPER EXPLOSIVE: (FLAMMABLE) LIMITS	Not available.
VAPOR PRESSURE:	0,00015 kPa (0,00109 mm Hg) [room temperature]
VAPOR DENSITY:	Not available.
RELATIVE DENSITY:	Not available.
DENSITY:	0,808 g/cm ³ [60°C (140°F)]
SOLUBILITY:	Not available.
PARTITION COEFFICIENT: N-OCTONOL/WATER:	Not available.
AUTO – IGNITION TEMPERATURE:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
VISCOSITY:	Not available.
FLOW TIME (ISO 2431):	Not available.

10. STABILITY & REACTIVITY

REACTIVITY:	No specific test data related to reactivity available for this product or its ingredients.
CHEMICAL STABILITY:	The product is stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	No specific data.
INCOMPATIBLE MATERIALS:	No specific data.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Octadecan-1-ol	LD50 Oral	Rat	>5000 mg/kg	-
Hexadecan-1-ol	LD50 Oral	Rat	5 g/kg	-



IRRITATION /CORROSION

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Octadecan-1-ol	Eyes – Mild irritant	Rabbit	-	24 hours 100 mg	-
	Skin – Mild irritant	Man	-	48 hours 30 %	-
	Skin – Mild irritant	Rabbit	-	24 hours 500 mg	-
Hexadecan-1-ol	Eyes – Mild irritant	Rabbit	-	82 mg	-
	Skin - Mild irritant	Guinea pig	-	100%	-
	Skin – Moderate irritant	Guinea pig	-	24 hours 100mg	-
	Skin – Mild irritant	Human	-	72 hours 75 mg	-
	Skin – severe irritant	Human	-	0.2 %	-
	Skin – Mild irritant	Man	-	48 hours 50 mg	-
	Skin – Severe irritant	Rat	-	24 hours 100 mg	-
	Skin – Mild irritant	Rabbit	-	24 hours 2600 mg	-
	Skin – Severe irritant	Rabbit	-	24 hours 100 mg	-

SENSITIZATION

Not Available.

MUTAGENICITY

Not Available.

CARCINOGENICITY

Not AVAILABLE.

REPRODUCTIVE TOXICITY

Not Available.

TERATOGENICITY

Not Available.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

Not Available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

Not Available.

ASPIRATION HAZARD

Not Available.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:

Not Available.



POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT:	No known significant effects or critical hazards.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION:	No known significant effects or critical hazards.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT:	No specific data.
INHALATION:	No specific data.
SKIN CONTACT:	No specific data.
INGESTION:	No specific data.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS:	Not Available.
POTENTIAL DELAYED EFFECTS:	Not Available.

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS:	Not Available.
POTENTIAL DELAYE EFFECTS:	Not Available.

POTENTIAL CHRONIC HEALTH EFFECTS

Not Available.

GENERAL:	No known significant effects or critical hazards.
CARCINOGENICITY:	No known significant effects or critical hazards.
MUTAGENICITY:	No known significant effects or critical hazards.
TETRA TOGENICITY:	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS:	No known significant effects or critical hazards.
FERTILITY EFFECTS:	No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

N/A



12. ECOLOGICAL INFORMATION

TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Alcohols, C16-18	Acute EC50 300 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 18,9 mg/l	Fish	96 hours
	Chronic EC50 0,51 mg/l Fresh water	Daphnia	21 days
	Chronic LC50 20 mg/l Fresh water	Daphnia	21 days
	Chronic NOEC 0,2 mg/l Fresh water	Daphnia	21 days
	Chronic NOEC 2 mg/l Fresh water	Fish - Fry	28 days

CONCLUSION/SUMMARY:

Not Classified.

PERSISTENCE AND DEGRADABILITY

PRODUCT/INGREDIENT NAME	AQUATIC HALF-LIFE	PHOTOLYSIS	BIODEGRADABILITY
Alcohols, C16-18	Fresh water 30 days, 20°C	-	Readily

BIOACCUMULATIVE POTENTIAL

Not available.

Mobility IN SOIL

SOIL/WATER PARTITION: COEFFICIENT (KOC)

2,05 to 2,64

OTHER ADVERSE EFFECTS:

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



14. TRANSPORT INFORMATION

	UN	IMDG	IATA
UN Number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

SPECIAL PRECAUTIONS FOR USER:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

TRANSPORT IN BULK linear

PROPER SHIPPING NAME:

Alcohols (C14-C18), primary, linear and essentially

ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

SHIP TYPE:

2

POLLUTION CATEGORY:

Y

REMARKS:

Not available.

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS

CHEMICAL WEAPON CONVENTION LIST SCHEDULE I, II & III CHEMICALS

Not listed.

MONTREAL PROTOCOL

Not listed.

STOCKHOLM CONVENTION ON PERSISTENT ORGANIC POLLUTANTS

Not listed.

ROTTERDAM CONVENTION ON PRIOR INFORMED CONSENT (PIC)

Not listed.

UNECE AARHUS PROTOCOL ON POPS AND HEAVY METALS

Not listed.

INVENTORY LIST

AUSTRALIA:

CANADA:

CHINA:

EUROPE:

JAPAN:

NEW ZEALAND:

PHILIPPIENS:

All components are listed or exempted.

All components are listed or exempted.

All components are listed or exempted.

All components are listed or exempted.

Japan inventory (ENCS): All components are listed or exempted.

Japan inventory (ISHL): All components are listed or exempted.

All components are listed or exempted.

All components are listed or exempted.



BULKNATURALOILS.COM
JEDWARDS
INTERNATIONAL, INC.

REPUBLIC OF KOREA:
TAIWAN:
THAILAND:
TURKEY:
UNITED STATES:
VIET NAM:

All components are listed or exempted.
All components are listed or exempted.
Not determined.
All components are listed or exempted.
All components are listed or exempted.
All components are listed or exempted.

16. OTHER INFORMATION

HISTORY

KEY TO ABBREVIATIONS:

AND = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
UN = United Nations

Revised on 10/30/2024

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.