

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.04.2024

Version number 8 (replaces version 7)

Revision: 08.04.2024

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

· 1.1 Product identifier

- **Trade name:** EMERCOL® C16-18 50:50 MY
- **Product description:** Cetyl-Stearyl Alcohols
- **CAS Number:**
67762-27-0 /
36653-82-4 & 112-92-5
- **EINECS Number:**
267-008-6 /
253-149-0 & 204-017-6
- **Registration number** 01-2119485905-24-0048 & 01-2119485907-20-0052
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture**

Agricultural chemicals
Antioxidant
Chemical intermediate
Cosmetic auxiliary
Fabric softener
Flavouring agents
Lubricant
Pharmaceutical intermediate
Plasticiser

· 1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**
Edenor Oleochemicals (M) Sdn. Bhd. (198001009328 (63112-D)).
Lot 1, Jalan Perak, Kawasan Perusahaan,
42500, Telok Panglima Garang,
Selangor Darul Ehsan, Malaysia.
Telephone: +603 3326 8686

· **Further information obtainable from:**

Product Safety & Regulations
Email: sds-my@edenortech.com

· **1.4 Emergency telephone number:**

24 hours contact number: +603-33268714 [Edenor Oleochemicals (M) Sdn. Bhd. - EOM]

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.

· 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard statements** Not applicable

· 2.3 Other hazards

· **Results of PBT and vPvB assessment**

- **PBT:** This product is not classified as PBT.
- **vPvB:** This product is not classified as vPvB.

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SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Dangerous components:** Not applicable
- **CAS NO. Description**
67762-27-0 Alcohols, C16-18 /
36653-82-4 Hexadecan-1-ol & 112-92-5 Octadecan-1-ol
- **Additional information:** This product is not classified according to GHS.

SECTION 4: First aid measures

- **4.1 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.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Call a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Damp down dust with water spray.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
- **6.4 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.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Thorough dedusting.

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Use appropriate industrial vacuum cleaners or central vacuum systems for dust removal.

To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

· Information about fire - and explosion protection:

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Dust can combine with air to form an explosive mixture.

· 7.2 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.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· General protective and hygienic measures:

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.

· Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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/face protection Safety glasses

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Solid
Colour:	White
Odour:	Mild
Odour threshold:	Not determined.
Melting point/freezing point:	57.7 °C (QSAR)
Boiling point or initial boiling point and boiling range	330.7 °C (QSAR)
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	170 °C (Pensky-Martens Closed Cup)
Decomposition temperature:	Not determined.
pH value:	Not applicable.
Viscosity:	
Kinematic viscosity at 49 °C	16 mm ² /s (ASTM D445)
Dynamic:	Not applicable.
Solubility	
water at 25 °C:	0.149 mg/L (QSAR) Slightly soluble.
Partition coefficient	
n-octanol/water (log value) at 25 °C	6.73 Log Pow (QSAR)
Vapour pressure at 25 °C:	0.0001 Pa (QSAR)
Density and/or relative density	
Density at 30 °C:	0.805 - 0.813 g/cm ³
Vapour density	Not applicable.

9.2 Other information

Appearance:	
Form:	Liquid in bulk Pastilles
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Solidification point:	48 - 53 °C (ISO 3841)
Evaporation rate	Not applicable.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability Stable at environment temperature.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Risk of dust explosion if enriched with fine dust in the presence of air.
- 10.4 Conditions to avoid See Section 7 for information of safe handling.
- 10.5 Incompatible materials: See Section 7 for information of safe handling.
- 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 36653-82-4 Hexadecan-1-ol

Oral	LD50	> 2,000 mg/kg bw (Rat, Sprague-Dawley) (OECD 401)
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Dermal	LD50	8,000 mg/kg bw (Rabbit, New Zealand White) (Fixed dose procedure, RA CAS 112-72-1)
CAS: 112-92-5 Octadecan-1-ol		
Oral	LD50	> 2,000 mg/kg bw (Rat, Sprague-Dawley) (OECD 401)
Dermal	LD50	8,000 mg/kg bw (Rabbit, New Zealand White) (Fixed dose procedure, RA CAS 112-72-1)

· **Conclusion / Summary** No adverse effect observed.

· **Skin corrosion / irritation**

No irritant effect.

CAS: 36653-82-4 Hexadecan-1-ol

Irritation of skin Irritation / Corrosion Skin Erythema Score: 0 (Rabbit, New Zealand White) (OECD 404)

CAS: 112-92-5 Octadecan-1-ol

Irritation of skin Irritation / Corrosion Skin Erythema PDII: 0 (Rabbit, New Zealand White) (OECD 404)

· **Serious eye damage / irritation**

No irritating effect.

CAS: 36653-82-4 Hexadecan-1-ol

Irritation of eyes Irritation / Corrosion Cornea Opacity Score: 0 (Rabbit, New Zealand White) (OECD 405)

CAS: 112-92-5 Octadecan-1-ol

Irritation of eyes Irritation / Corrosion Cornea Opacity Score: 0 (Rabbit, New Zealand White) (OECD 405)

· **Respiratory or skin sensitisation**

Not sensitising

CAS: 36653-82-4 Hexadecan-1-ol

Sensitisation Respiratory / Skin Sensitisation 0 % reaction of animals (Guinea pig) (Dose level 2.5%, In vivo, non-LLNA, RA CAS 90604-40-3)

CAS: 112-92-5 Octadecan-1-ol

Sensitisation Respiratory / Skin Sensitisation 0 % reaction of animals (Guinea pig) (Dose level 25%, In vivo, non-LLNA, OECD 406)

· **Germ cell mutagenicity**

No mutagenic effect.

CAS: 36653-82-4 Hexadecan-1-ol

Mutagenicity Negative (Mouse Lymphoma L5178Y Cells) (In vitro, OECD 476, RA Fatty Alcohol Blend)

CAS: 112-92-5 Octadecan-1-ol

Mutagenicity Negative (Mouse Lymphoma L5178Y Cells) (In vitro, OECD 476, RA Fatty Alcohol Blend)

· **Carcinogenicity** No data available

· **Reproductive toxicity**

No adverse effect observed.

CAS: 36653-82-4 Hexadecan-1-ol

Oral NOAEL (embr/tera) 2,000 mg/kg bw/day (Rat, Wistar) (OECD 422, RA CAS 112-92-5)

NOAEL (repro/dev) > 2,000 mg/kg bw/day (Rat, Wistar) (OECD 422, RA CAS 112-53-8)

CAS: 112-92-5 Octadecan-1-ol

Oral NOAEL (embr/tera) 2,000 mg/kg bw/day (Rat, Wistar) (OECD 422)

NOAEL (repro/dev) > 2,000 mg/kg bw/day (Rat, Wistar) (OECD 422, RA CAS 112-53-8)

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **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.

· **Additional toxicological information:**

· **Repeated dose toxicity**

No adverse effect observed.

CAS: 36653-82-4 Hexadecan-1-ol

Oral NOAEL (sub-chronic) > 4,400 mg/kg bw/day (Rat, Albino)

CAS: 112-92-5 Octadecan-1-ol

Oral NOAEL (sub-chronic) > 4,400 mg/kg bw/day (Rat, Albino) (RA CAS 36653-82-4)

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11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

No adverse effect observed.

CAS: 36653-82-4 Hexadecan-1-ol

Acute LC50 (96h)	> 0.4 mg/L (Fish, Oncorhynchus mykiss) (Non-toxic at LoS, OECD 203)
Acute EC50 (48h)	> 0.01 mg/L (Aquatic invertebrates, Daphnia Magna) (Non-toxic at LoS, QSAR)
Acute EL50 (96h)	> 1,000 mg/L (Algae, Desmodesmus subspicatus) (Non-toxic at LoS, OECD 201)

CAS: 112-92-5 Octadecan-1-ol

Acute LC50 (96h)	> 0.4 mg/L (Fish, Oncorhynchus mykiss) (Non-toxic at LoS, OECD 203,)
Acute EC50 (48h) (static)	1,700 mg/L (Aquatic invertebrates, Daphnia Magna) (Non-toxic at LoS, OECD 202)
Chronic NOEC (21d)	0.0206 mg/L (Aquatic invertebrates, Daphnia Magna) (>LoS, Daphnid Chronic Toxicity, RA Octadecanol Branched)

12.2 Persistence and degradability

Readily biodegradable.

Hexadecan-1-ol

Passed 10-day window: Yes, achieved 66.83% degradation in 10 days.

Passed level of 60% degradation (28d): Yes, achieved 81.19% in 20 days.

Octadecan-1-ol

Passed 10-day window: Yes, achieved 83.92% degradation in 10 days.

Passed level of 60% degradation (28d): Yes, achieved 94.67% in 14 days.

CAS: 36653-82-4 Hexadecan-1-ol

Biodegradation in water 82.4 % within 28 days (15.3 mg/L, OECD 301 B)

CAS: 112-92-5 Octadecan-1-ol

Biodegradation in water 95.6 % within 28 days (14.5 mg/L, OECD 301 B)

12.3 Bioaccumulative potential

Does not accumulate in organisms

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: This product is not classified as PBT.

vPvB: This product is not classified as vPvB.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Not hazardous for water (WGK-nwg)

See Section 15 for water hazard class.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN number or ID number · ADR/RID/ADN, IMDG, IATA	Not regulated
· 14.2 UN proper shipping name · ADR/RID/ADN, IMDG, IATA	Not regulated
· 14.3 Transport hazard class(es) · ADR/RID/ADN, ADN, IMDG, IATA · Class	Not regulated
· 14.4 Packing group · ADR/RID/ADN, IMDG, IATA	Not regulated
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Product name :Alcohols (C14-C18), primary, linear and essentially linear Pollution category: Y Ship type: 2
· UN "Model Regulation":	Not regulated

SECTION 15: Regulatory information

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

· TSCA (Toxic Substances Control Act)

All substances have the value ACTIVE.

· Canadian Domestic Substances List (DSL)

All ingredients are listed.

· Philippines Inventory of Chemicals and Chemical Substances

All ingredients are listed.

· Chinese Chemical Inventory of Existing Chemical Substances

All ingredients are listed.

· Australian Inventory of Industrial Chemicals

All ingredients are listed.

· ECHA EC Inventory Database:

All ingredients are listed.

CAS: 67762-27-0	Alcohols, C16-18	EINECS No.: 267-008-6
CAS: 36653-82-4	Hexadecan-1-ol	EINECS No.: 253-149-0
CAS: 112-92-5	Octadecan-1-ol	EINECS No.: 204-017-6

· Korean Existing Chemical Inventory

All ingredients are listed.

CAS: 67762-27-0	Alcohols, C16-18	KE-00315
CAS: 36653-82-4	Hexadecan-1-ol	KE-18460
CAS: 112-92-5	Octadecan-1-ol	KE-26419

· New Zealand Inventory of Chemicals

All ingredients are listed.

· Existing Chemical Directory of Thailand (DIW)

All ingredients are listed.

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· **TCSI - Taiwan Chemical Substance Inventory**

All ingredients are listed.

· **Mexico - National Inventory of Chemical Substances**

Substance is listed.

CAS: 36653-82-4 Hexadecan-1-ol

CAS: 112-92-5 Octadecan-1-ol

· **Malaysia - EHS reference list**

None of the ingredients is listed.

· **Russian Existing Chemical Substance Inventory (Public)**

All ingredients are listed.

· **Japan - Existing Chemical Substances**

All ingredients are listed.

CAS: 67762-27-0 Alcohols, C16-18

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CAS: 36653-82-4 Hexadecan-1-ol

2-217

CAS: 112-92-5 Octadecan-1-ol

2-217, 2-3704

· **Industrial Safety and Health Act**

· **Japan ISHL Substance Listing**

All ingredients are listed.

CAS: 67762-27-0 Alcohols, C16-18

ISHL Serial No. 28223

CAS: 36653-82-4 Hexadecan-1-ol

ISHL Serial No. 28223

CAS: 112-92-5 Octadecan-1-ol

ISHL Serial No. 28223

· **Vietnam - National Existing Chemical Inventory**

All ingredients are listed.

· **Turkey Chemical Substance Inventory**

All ingredients are listed.

CAS: 67762-27-0 Alcohols, C16-18

EINECS No.: 267-008-6

CAS: 36653-82-4 Hexadecan-1-ol

EINECS No.: 253-149-0

CAS: 112-92-5 Octadecan-1-ol

EINECS No.: 204-017-6

· **Switzerland - Swiss Chemical Ordinance Substance Listing**

All ingredients are listed.

CAS: 67762-27-0 Alcohols, C16-18

EINECS No.: 267-008-6

CAS: 36653-82-4 Hexadecan-1-ol

EINECS No.: 253-149-0

CAS: 112-92-5 Octadecan-1-ol

EINECS No.: 204-017-6

· **Labelling according to Regulation (EC) No 1272/2008** Not applicable

· **Hazard pictograms** Not applicable

· **Signal word** Not applicable

· **Hazard statements** Not applicable

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Waterhazard class:**

WGK-nwg; Identification No. 656 for Fatty alcohols, saturated, with even-numbered C-chain, number of C-atoms ≥ 16 , with terminating OH-group

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 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:** Product Safety & Regulations Department

· **Contact:**

Product Safety & Regulations

Email: sds-my@edenortech.com

· **Date of previous version:** 01.08.2023

· **Version number of previous version:** 7

· **Abbreviations and acronyms:**

RA: Read-across

LLNA : Local Lymph Node Assay

NOAEL : No Observed Adverse Effect Level

NOEC : No Observed Effect Concentration

SCE : Sister Chromatid Exchange

OECD : Organisation for Economic Co-operation and Development

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

STP : Sewage Treatment Plant

ADG : The Australian Code for the Transport of Dangerous Goods by Road & Rail

LoS : Limit of Solubility

SCL: Specific Concentration Limit

LOEC : Lowest Observed Effect Concentration

SSWL : Surface water loss through the skin

ECHA : European Chemicals Agency

IVIS: In Vitro Irritancy Score

TER : Transcutaneous Electrical Resistance

PII : Primary Irritation Index

MMTS: Maximum Mean Total Score

PDII: Primary Dermal Irritation Index

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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified 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**

CAS No.67762-27-0 Alcohols, C16-18.

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 Substances Database, CAS No. 67762-27-0, 36653-82-4 , 112-92-5.

Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Sixth & Seventh Revised Edition.

ICOP (2014). The Industry Code of Practice on Chemical Classification and Hazard Communication.

ICOP (2019). The Industry Code of Practice on Chemical Classification and Hazard Communication (Amendment).

IMO (2020). IMDG Code International Maritime Dangerous Goods Code. Incorporating Amendment 40-20.

Official Journal of the European Union Commission Regulation (EU) No 453/2010.

Official Journal of the European Union Commission Regulation (EU) 2015/830.

Official Journal of the European Union Commission Regulation (EU) 2020/878.

Official Journal of the European Union Regulation (EC) No 1272/2008.

Official Journal of the European Union Regulation (EC) No 1907/2006.

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P.U. (A) 310/2013. Occupational Safety Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations.

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

EMERCOL® C16-18 50:50 MY (EU)

Revision 1 (August 05, 2022)

New issuance of GHS SDS according to ChemGes.

Revision 2 (September 27, 2022)

Section 1 - Revise emergency contact number from Edenor Oleochemicals (M) Sdn. Bhd. - EOM to Edenor Oleochemicals (M) Sdn. Bhd. - EOR.

Revision 3 (December 30, 2022)

Section 1 - Update REACH registration number for both C16 & C18 alcohol.

Revision 4 (March 30, 2023)

All sections update SDS format according to Commission Regulation (EU) 2020/878.

Section 1 - Heading – Version number 2 changes to Version number 2 (replaces version 1).

Section 9 - Activate heading 9.2 Other information.

Section 11 - Activate heading 11.2 Information on the other hazards.

Section 12 - Activate heading 12.6 Endocrine disrupting properties and heading 12.7 Other adverse effects.

Section 16 - Activate heading Date of previous version and Version number of previous version.

Section 15 - Report ECHA EC Inventory list.

Revision 5 (May 12, 2023)

Section 1 - Revise manufacturer/supplier details from Edenor Oleochemicals Rika (M) Sdn. Bhd. to Edenor Oleochemicals (M) Sdn. Bhd. (198001009328 (63112-D)).

Section 1 - Remove (Formerly known as Emery Oleochemicals Rika (M) Sdn. Bhd.) remark.

Section 1 - Revise emergency contact number from Edenor Oleochemicals (M) Sdn. Bhd. - EOR to Edenor Oleochemicals (M) Sdn. Bhd. - EOM.

Section 9 - Water solubility : Revise from 0.000149 g/L to 0,149 mg/L.

Section 11 - Add Acute Toxicity data for Hexadecan-1-ol and Octadecan-1-ol.

Section 12 - Add Aquatic Toxicity data for Hexadecan-1-ol and Octadecan-1-ol.

Revision 6 (July 04, 2023)

Section 12 - Add phrases "Passed 10-day window: Yes" under sub-heading - Persistent and degradability.

Section 14 - Activate marine pollutant status "No".

Revision 7 (August 01, 2023)

Section 3 - Revise heading from CAS NO. Description % R-phrases to CAS NO. Description.

Section 15 - Revise sub-heading from "Russia - Register of Eurasian industrial products" to "Russian Existing Chemical Substance Inventory (Public)".

Revision 8 (April 08, 2024)

Section 11 & 12 - Update the following toxicology & Ecology data according to ECHA Registered Substances Database, CAS No. 36653-82-4 & CAS No. 112-92-5.

Section 15 - Report Japan ISHL Substance Listing.

Section 15 - Report Turkey Chemical Substance Inventory list.

Section 15 - Report Switzerland - Swiss Chemical Ordinance Substance listing.