

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: Ecokanol™ MB

Version: 1

Revision: 2025/02/07

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Trade name	Ecokanol™ MB
INCI name	Octyldodecanol
CAS No.	5333-42-6
EINECS No.	226-242-9

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

Use	Industrial use Raw material for cosmetic agents Raw material for washing and cleaning agents Raw material for textile auxiliary agents Raw material for synthesis processes in the chemical industry Raw material for lubricants and lubricant additives Raw material for welding and soldering aids
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Uses advised against	No information available
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### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier**  
CORUM INC.  
6FL., No.360, Ruei Guang Rd.,  
Neihu Dist., Taipei 114729, Taiwan  
**Further information obtainable from**  
[marketing.support@corum.com.tw](mailto:marketing.support@corum.com.tw)

### 1.4 Emergency telephone number

Company phone number	CORUM Tel. 886-2-8751-6060 Fax. 886-2-8751-6363
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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**  
Not a hazardous substance or mixture.

### 2.2 Label elements

Not a hazardous substance or mixture.

### 2.3 Other hazards

Danger of slipping after spilling or leakage.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Composition/information on ingredients

INCI Name	Chemical Name	CAS No.	EC No.
Octyldodecanol	2-octyldodecan-1-ol	5333-42-6	226-242-9

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## 3.2 Mixtures

Not applicable

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>General information</b>	No hazards which require special first aid measures.
<b>After inhalation</b>	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
<b>After skin contact</b>	Take off all contaminated clothing immediately.
<b>After eye contact</b>	Rinse with water.
<b>After swallowing</b>	Call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No further relevant information available.
<b>Risks</b>	No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Treatment</b>	No further relevant information available.
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## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media**  
Water spray, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>).

### 5.2 Special hazards arising from the substance or mixture

**Specific hazards during firefighting**  
Dangerous gases or fumes may occur in case of fire.

### 5.3 Advice for firefighters

**Special protective equipment for firefighters**  
Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions**  
Handle in accordance with good industrial hygiene and safety practice. Danger of slipping after spill or leakage.

### 6.2 Environmental precautions

**Environmental precautions**  
Avoid subsoil penetration.  
Do not flush into surface water or sanitary sewer system.

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## 6.3 Methods and material for containment and cleaning up

### Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precaution for safe handling

#### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.  
Provide sufficient air exchange and/or exhaust in work rooms.

#### Advice on protection against fire and explosion

The product is flammable but not readily ignited.  
Normal measures for preventive fire protection.

#### Fire-fighting class

B: Fire involving liquids or liquid containing substances. Also includes substances which become liquid at elevated temperatures.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage class (TRGS 510)

10-13: Storage Class 10 to 13.

#### Other data

Stable under normal conditions.

### 7.3 Specific end use(s)

#### Specific use(s)

This information is not available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

##### National occupational exposure limits

No data available

#### DERIVED NO EFFECT LEVEL (DNEL)

##### Substance name : 2-dctyldodecan-1-ol

Not relevant / Not applicable

#### PREDICTED NO EFFECT CONCENTRATION (PNEC)

##### Substance name: 2-dctyldodecan-1-ol

Not relevant / Not applicable

### 8.2 Exposure controls

#### PERSONAL PROTECTIVE EQUIPMENT

##### Respiration protection

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odors exist or where aerosols are in use, or smoke and mist occur, use self-

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contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

## Hands protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

### Gloves suitable for permanent contact:

Material: Nitrile rubber / Nitrile latex

Break through time: => 480 min

Layer thickness: 0.35 mm

Material: butyl-rubber

Break through time: => 480 min

Layer thickness: 0.5 mm

## Eye protection

Safety glasses

## Skin and body protection

Wear suitable protective equipment.

## Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

## Protective measures

Avoid contact with the skin and the eyes.

## ENVIRONMENTAL EXPOSURE CONTROLS

### General advice

Avoid subsoil penetration.

Do not flush into surface water or sanitary sewer system.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical State	liquid; 20 °C; 1,013 hPa
Form	liquid
Color	colorless
Odor	characteristic
Odor threshold	No valid method available

### Property

pH value	Not applicable, Justification, Insoluble
Melting point/Melting range	ca. -4 – 1 °C
Boiling point/Boiling range	> 223 °C; 1,013 hPa
Flash point	ca. > 170 °C; DIN 51758
Evaporation rate	Not data available
Flammability (solid, gaseous)	Not data available
Explosion limit	
Lower	Not data available

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Upper	Not data available
Vapor pressure	ca. < 0.01 hPa; 20 °C
Relative density	> 1
Density	ca. 0.8 g/cm <sup>3</sup> ; 20 °C; DIN 51757
Water solubility	Insoluble
Partition coefficient: (n-octanol/water at 25 °C)	log Pow: > 8; 23 °C; pH 7.1; OECD Test Guideline 117
Ignition temperature	258 °C
Dynamic Viscosity	ca. 60 mPas; 20 °C
Explosive properties	Constituents do not contain chemical groups associated with explosivity.
Oxidizing properties	Not expected based on structure and functional groups

## 9.2 Other information

Additional advice	This sheet describes a group of products. It only contains safety-relevant data. For specific data, see Product Information Sheet.
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Note	Stable under recommended storage conditions.
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### 10.2 Chemical stability

Note	No decomposition of stored and applied as directed.
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### 10.3 Possibility of hazardous reactions

Hazardous reactions	Stable under normal conditions.
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### 10.4 Conditions to avoid

Condition to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation.
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### 10.5 Incompatible materials

Materials to avoid	None known
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### 10.6 Hazardous decomposition products

Thermal decomposition	> 350 °C
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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Name	OCTYLDODECANOL CAS: 5333-42-6
Acute toxicity	<p>*Acute Toxicity-Oral: LD50 Rat: &gt; 5,000 mg/kg</p> <p>*Acute Toxicity-Inhalation: study scientifically not necessary/other information available</p> <p>*Acute Toxicity-Dermal: LD50 Rabbit: &gt; 2 ml/kg</p> <p>Based on available data, the classification criteria are not met under the new Regulation (EC) 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).</p> <p>These findings do not warrant classification under the new Regulation</p>

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	(EC) 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).
<b>Skin corrosion/irritation</b>	<p>*Skin Irritation: slightly irritating on rabbit</p> <p>Based on available data, the classification criteria are not met under the new Regulation (EC) 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).</p> <p>* Human Experience-Skin contact: not irritating</p>
<b>Serious eye damage/eye irritation</b>	<p>*Eye Irritation: slightly irritating on rabbit</p> <p>Based on available data, the classification criteria are not met under the new Regulation (EC) 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).</p>
<b>Respiratory tract</b>	<p>*No studies were located to indicate that Octyldodecanol is a respiratory irritant.</p> <p>There are no studies that warrant classification as a respiratory irritant under the new Regulation (EC) 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).</p>
<b>Respiratory/skin sensitization</b>	<p>*Sensitization: Maximization Test Guinea pig: not sensitizing (literature value)</p> <p>Based on available data, the classification criteria are not met under the new Regulation (EC) 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).</p>
<b>Toxicokinetic, metabolism and distribution</b>	<p>*The substance is metabolized and excreted.</p> <p>Bioaccumulation is unlikely.</p>
<b>Repeated dose toxicity</b>	<p>*Rat; Oral; Subchronic toxicity</p> <p>NOAEL: 839.6 mg/kg (based on body weight and day) (literature value)</p>
<b>Germ Cell mutagenicity</b>	<p>* In vitro tests did not show mutagenic effects. (Category approach)</p> <p>Based on available data, the classification criteria are not met.</p>
<b>Carcinogenicity</b>	<p>The study is not necessary.</p> <p>Justification: The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential.</p>
<b>Reproductive toxicity</b>	<p>*Reproductive Toxicity: Rat; Oral</p> <p>NOAEL (parents): &gt; 1,000 mg/kg (based on body weight and day)</p> <p>NOAEL (F1): &gt; 1,000 mg/kg (based on body weight and day) (literature value)</p> <p>The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Test substance: Docosan-1-ol</p> <p>*Remarks Reproductive Toxicity: Based on available data, the classification criteria are not met.</p> <p>*Teratogenicity: Rat; Oral</p> <p>NOAEL: 1,000 mg/kg (based on body weight and day)</p> <p>NOAEL (pregnant female): 1,000 mg/kg (based on body weight and day); OECD Test Guideline 414</p> <p>Did not show teratogenic effects in animal experiments.</p> <p>*Teratogenicity: Rabbit; Oral</p> <p>NOAEL: &gt; 2,000 mg/kg (based on body weight and day)</p> <p>NOAEL (pregnant female): &gt; 2,000 mg/kg (based on body weight and day) (literature value)</p>

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	The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Test substance: Docosan-1-ol * Remarks-Teratogenicity: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	*Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.
<b>STOT-repeated exposure</b>	*Remarks: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
<b>Aspiration hazard</b>	*Aspiration toxicity: Not applicable *

\*from ECHA webpage registration data

### 11.2 Information on other hazards

**Endocrine disrupting properties** Substance is not listed.

## SECTION 12: ECOLOGICAL INFORMATION

Name	<b>OCTYLDODECANOL</b> <b>CAS: 5333-42-6</b>
<b>12.1 Toxicity</b> Aquatic toxicity	<p>* Toxicity to Fish: LC50 (48 h) Leuciscus idus (Golden orfe): &gt; 100 mg/l ; static test; DIN 38412 (Category approach)</p> <p>*Toxicity to Fish-Chronic Toxicity: The study is not necessary. Justification: Substance is readily biodegradable and has a low aquatic toxicity.</p> <p>*Toxicity to Daphnia and Other Aquatic Invertebrates: Test Guideline 202 in the range of water solubility not toxic under test conditions. (Category approach)</p> <p>*Toxicity to Daphnia and Other Aquatic Invertebrates-Chronic Toxicity: The study is not necessary. Justification: Substance is readily biodegradable and has a low aquatic toxicity.</p> <p>*Toxicity to Aquatic Plants: EC0 (3 h) activated sludge of a predominantly domestic sewage: &gt; 1,000 mg/l; Respiration inhibition; OECD Test Guideline 209</p> <p>*Toxicity to Bacteria: No data available.</p> <p>*Toxicity to Soil Dwelling Organisms: No data available.</p> <p>*Toxicity to Terrestrial Flora: No data available.</p> <p>*Toxicity for Other Terrestrial Non-mammalian Fauna: No data available.</p>
<b>12.2 Persistence and degradability</b>	*Biodegradability: Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 310
<b>12.3 Bioaccumulative potential</b>	*Bioaccumulation: Bioconcentration factor (BCF): 53 - 539; calculated (literature value) Bioaccumulation is unlikely.
<b>12.4 Mobility in soil</b>	Adsorption/Soil/Sewage sludge; log Koc: 8.92 - 9.79; OECD Test Guideline 121 Immobile. Strong adsorption to soil. The substance and its relevant degradation products decompose rapidly.
<b>12.5 Results of PBT and vPvB</b>	*Results of PBT assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and

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<b>assessment</b>	toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. *Results of PBT assessment: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). Based on available data, the classification criteria are not met.
<b>12.6 Endocrine disrupting properties</b>	The product does not contain substances with endocrine disrupting properties.
<b>12.7 Other adverse effects</b>	No further relevant information available.

\*from ECHA webpage registration data

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Recommendation</b>	Can be incinerated, when in compliance with local regulations.
<b>European waste catalogue</b>	Not applicable

### 13.2 Uncleaning packaging

<b>Recommendation</b>	Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning. Packaging that may not be cleansed are to be disposed of in the same manner as the product.
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## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN-Number

<b>ADR/RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

### 14.2 UN proper shipping name

<b>ADR/RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

### 14.3 Transport hazard class(es)

<b>ADR/RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

### 14.4 Packing group

<b>ADR/RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

### 14.5 Environmental hazard

<b>ADR/RID</b>	Environmentally hazardous	no
<b>ADN</b>	Environmentally hazardous	no
<b>IMDG</b>	Marine pollutant	no
<b>ICAO/IATA</b>	Environmentally hazardous	no



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## 14.6 Special precautions for user

No classified as dangerous in the meaning of transport regulations.

## 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Remark No information available.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safe, health and environmental regulations/legislation specific for the substance or mixture

Name	OCTYLDODECANOL CAS: 5333-42-6
Switzerland. Consolidated Inventory (CH INV) (based on EU-EINECS and EU-NLP)	Y
Canadian Domestic Substances (DSL)	Y
Australia Inventory of Chemical Substances (AICS)	Y
Japan. ENCS - Existing and New Chemical Substances Inventory (ENCS JP)	Y
Japan. ISHL – Inventory of Chemicals Substances (ENCS JP)	Y
Korea. Korean Existing Chemical Inventory (KECI KR)	Y
Philippines Inventory of Chemical and Chemical Substance (PICCS PH)	Y
China. Inventory of Existing Chemical Substances in China (IECSC)	Y
Taiwan Chemical Substance Inventory (TCSI)	Y
United States TSCA Inventory (TSCA)	Y

Y : listed, N : not listed, E : exempted

Please note: the name and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

#### **Directive 2004/42/EC**

##### **Seveso category**

The substance is not listed.

#### **Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II**

The substance is not listed.

#### **Regulation (EU) 2019/1148**

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

The substance is not listed.

#### **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

The substance is not listed.

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

The substance is not listed.

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

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The substance is not listed.

**Regulation (EC) No 1005/2009 on substances that deplete the ozone layer - ANNEX I (Ozone-depleting potential)**

The substance is not listed.

**National regulations**

**Other regulations, limitations and prohibitive regulations**

Not determined

**Substances of very high concern (SVHC) according to REACH, Article 59(10)**

The substance is not listed.

## 15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

## SECTION 16: OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of CORUM Inc. It relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. CORUM Inc. assumes no legal responsibility for use of or reliance upon this information.

### Abbreviations and acronyms

NOAEL: Non Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level NOEC: No Observed Effect Concentration

GHS: Globally Harmonized System of Classification and Labeling Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstract Service (division of the American Chemical Society)

VbF: Ordinance on the storage of combustible liquids, Austria DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT: Specific Target Organ Toxicity

ADR: Agreement on Dangerous Goods by Road

RID: Regulations concerning the Intl Transport of Dangerous Goods by Rail

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

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

### Sources

Own data from manufacture

Chemical safety report according to REACH registration dossier