

# Safety Data Sheet

according to 1907/2006/EC, Article 31, (Commission Regulation (EU) 2020/878)

Trade name: **Corum 1003 MB**

Version: 1

Revision: 2024.12.09

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

### 1.1 Product identifier

Trade name	Corum 1003 MB
INCI name	Octyldodecanol
CAS number	5333-42-6
EC number	226-242-9
Substance name (REACH/CLP)	2-octyldodecan-1-ol

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

Recommended 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
Product category	Not determined
Process category	Not determined

### 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**  
This substance is not classified according to the CLP regulation.

### 2.2 Label elements

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

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:**

Based on available data, the ingredients of this mixture do not meet the PBT criteria (not PBT) according to (EC) 1907/2006, Annex XIII.

**vPvB:**

Based on available data, the ingredients of this mixture do not meet the vPvB criteria (not vPvB) according to (EC) 1907/2006, Annex XIII.

**Determination of endocrine-disrupting properties**

The product does not contain ingredients with endocrine-disrupting properties for humans.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 Substances

Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	%
COMPONENT					
Octyldodecanol	2-octyldodecan-1-ol	(CAS No.) 5333-42-6 (EC No.) 226-242-9	Not Classified	-	100%

## 3.2 Mixtures

Not applicable

Components to be named in accordance with regulation (ec) 1907/2006 as well as other hazardous ingredients and contained substances with work place limit values

No hazardous ingredients

## SECTION 4: FIRST AID MEASURES

## 4.1 Description of first aid measures

General information

No hazards which require special first aid measures.

After inhalation

Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.

After skin contact

Take off all contaminated clothing immediately.

After eye contact

Rinse with water.

After swallowing

Call a physician immediately.

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

Symptoms

No information available.

Risks

No information available.

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

Treatment

No information available.

## 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

Protective equipment:

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## 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

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

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and 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: German 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

#### EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

#### DERIVED NO EFFECT LEVEL (DNEL)

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**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 odours exist or where aerosols are in use, or smoke and mist occur, use self-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 CONTROS

#### 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

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<b>Color</b>	Colorless
<b>Odor</b>	Typical
<b>Odor threshold</b>	No valid method available

## Property

<b>pH value</b>	Not applicable, Justification, Insoluble
<b>Melting point/Melting range</b>	ca. -4 – 1 °C
<b>Boiling point/Boiling range</b>	> 223 °C; 1,013 hPa
<b>Flash point</b>	ca. > 170 °C; DIN 51758
<b>Evaporation rate</b>	Not data available
<b>Flammability (solid, gaseous)</b>	Not data available
<b>Explosion limit</b>	
<b>Lower</b>	Not data available
<b>Upper</b>	Not data available
<b>Vapor pressure</b>	ca. < 0.01 hPa; 20 °C
<b>Relative density</b>	> 1
<b>Density</b>	ca. 0.8 g/cm <sup>3</sup> ; 20 °C; DIN 51757
<b>Water solubility</b>	Insoluble
<b>Partition coefficient:</b> (n-octanol/water at 25 °C)	log Pow: > 8; 23 °C; pH 7.1; OECD Test Guideline 117
<b>Ignition temperature</b>	258 °C
<b>Dynamic Viscosity</b>	ca. 60 mPas; 20 °C
<b>Explosive properties</b>	Constituents do not contain chemical groups associated with explosivity.
<b>Oxidizing properties</b>	Not expected based on structure and functional groups

## 9.2 Other information

<b>Additional advice</b>	This sheet describes a group of products. It only contains safety-relevant data. For specific data, see Product Information Sheet.
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## Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable Gases and Chemically Unstable Gases</b>	Void
<b>Flammable Aerosols</b>	Void
<b>Oxidising Gases</b>	Void
<b>Gases Under Pressure</b>	Void
<b>Flammable Liquids</b>	Void
<b>Flammable Solids</b>	Void
<b>Self-reactive Substances and Mixtures</b>	Void
<b>Pyrophoric Liquids</b>	Void
<b>Pyrophoric Solids</b>	Void
<b>Self-heating Substances and Mixtures</b>	Void
<b>Substances and Mixtures which in contact with water emit flammable gases</b>	Void
<b>Oxidising Liquids</b>	Void
<b>Oxidising Solids</b>	Void
<b>Organic Peroxides</b>	Void
<b>Substances and Mixtures corrosive to Metals</b>	Void
<b>Desensitized Explosives</b>	Void

## SECTION 10: STABILITY AND REACTIVITY

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## 10.1 Reactivity

Stable under recommended storage conditions.

## 10.2 Chemical stability

No decomposition of stored and applied as directed.

## 10.3 Possibility of hazardous reactions

Stable under normal conditions.

## 10.4 Conditions to avoid

Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation.

## 10.5 Incompatible materials

None known

## 10.6 Hazardous decomposition products

Thermal decomposition > 350 °C

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Name	Octyldodecanol CAS:5333-42-6
<b>Acute toxicity</b>	*No adverse effect observed * Acute oral toxicity, LD50 Rat: > 5,000 mg/kg * Acute inhalation toxicity, Study scientifically unjustified, Data are available from alternate exposure routes. * Acute dermal toxicity, Rabbit : slightly irritating, Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	*No adverse effect observed (not irritating) *The available data are conclusive but not sufficient for classification of 2 -octyl-dodecan-1-ol with regard to irritation/corrosion.
<b>Serious eye damage/irritation</b>	*No adverse effect observed (not irritating) *The available data are conclusive but not sufficient for classification of 2 -octyl-dodecan-1-ol with regard to irritation/corrosion.
<b>Respiratory tract</b>	Not determined
<b>Respiratory/skin sensitization</b>	*No adverse effect observed (not sensitising) *Available data are conclusive but not sufficient for classification of 2 -octyldodecan-1-ol with regard to skin sensitisation. There are data lacking for the classification of 2 -octyldodecan-1-ol with regard to respiratory sensitisation.
<b>Toxicokinetics, metabolism and distribution</b>	Not determined
<b>Repeated dose toxicity</b>	*Available data are conclusive but not sufficient for classification of 2 -octyldodecan-1-ol with regard to repeated dose toxicity.
<b>Germ Cell mutagenicity</b>	*No adverse effect observed (negative) *Available data are conclusive but not sufficient for classification of 2 -octyldodecan-1-ol with regard to mutagenicity / genotoxicity.
<b>Carcinogenicity</b>	Not determined
<b>Reproductive toxicity</b>	*No adverse effect observed *Available data are conclusive but not sufficient for classification of 2 -octyldodecan-1-ol with regard to reproductive toxicity and developmental toxicity/teratogenicity.
<b>STOT-single exposure</b>	Not determined
<b>STOT-repeated exposure</b>	Not determined
<b>Aspiration hazard</b>	Not determined

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\*from ECHA webpage registration data

## 11.2 Information on other hazards

**Endocrine disrupting properties**

Substance is not listed.

## SECTION 12: ECOLOGICAL INFORMATION

Name	Octyldodecanol CAS:5333-42-6
<b>12.1 Toxicity</b> Aquatic toxicity	*Freshwater, no hazard identified *Marine water, no data: aquatic toxicity unlikely * STP, no hazard identified * Sediment (freshwater), no data available: testing technically not feasible * Sediment (marine water), no data available: testing technically not feasible
<b>12.2 Persistence and degradability</b>	*Readily biodegradable *Therefore, the whole category of the Guerbet alcohols with carbon chain lengths of C12 -C36 is considered to be readily biodegradable.
<b>12.3 Bioaccumulative potential</b>	Bioaccumulation is unlikely.
<b>12.4 Mobility in soil</b>	No further relevant information available.
<b>12.5 Results of PBT and vPvB assessment</b>	<b>PBT:</b> Not applicable <b>vPvB:</b> Not applicable
<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

**Product**

Can be incinerated, when in compliance with local regulations.

**Waste code of the European Union: EWC**

A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer used it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

### 13.2 Uncleaning packaging

**Recommendation**

Disposal must be made according to official regulations.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN-Number

ADR/RID  
ADN  
IMDG  
IATA

Not dangerous goods  
Not dangerous goods.  
Not dangerous goods.  
Not dangerous goods.

### 14.2 UN proper shipping name

ADR/RID  
ADN

Not dangerous goods.  
Not dangerous goods.

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IMDG  
IATA

Not dangerous goods.  
Not dangerous goods.

## 14.3 Transport hazard class(es)

ADR/RID

Not dangerous goods.

ADN

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

## 14.4 Packing group

ADR/RID

Not dangerous goods.

ADN

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

## 14.5 Environmental hazard

ADR/RID

Environmentally hazardous no

ADN

Environmentally hazardous no

IMDG

Marine pollutant no

ICAO/IATA

Environmentally hazardous no

## 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.

## 14.8 ICAO/IATA – DGR

Not regulated as dangerous good.

## 14.9 Maritime transport in bulk according to

IMO instruments

Not applicable

UN "Model Regulation"

Not applicable

## SECTION 15: REGULATORY INFORMATION

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

Name	Octyldodecanol CAS:5333-42-6
Inventory - United States - Toxic Substances Control Act (TSCA)	Y
Inventory - Canada - Domestic Substances List (DSL)	Y
Inventory - Canada - Non-Domestic Substances List (NDSL)	N
Inventory - Canada - Revised In Commerce List (R-ICL)	N
ECHA Inventory of substances	Y
Japan Existing and New Chemical Substances (ENCS)	Y
Inventory of Existing Chemical Substances in China (IECSC)	Y
Korean Existing and Evaluated Chemical Substances (KECL)	Y
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Y
Australian Inventory of Industrial Chemicals (AIIC)	Y



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New Zealand Inventory of Chemicals	Y
TCSI - Taiwan Chemical Substance Inventory	Y
OECD - List of High Production Volume Chemicals	Y

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

### Directive 2004/42/EC

#### Seveso category

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

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))

Substance is not listed.

#### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Substance is not listed.

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

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

Substance is not listed.

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

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)

Substance is not listed.

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

## 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

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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