

# Safety Data Sheet

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

Trade name: **Corum 5024**

Version: 5

Revision: 2023.10.02

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

### 1.1 Product identifier

Trade name **Corum 5024**  
CAS number **22766-83-2**

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

**Recommended Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
SU21 Consumer uses: Private households/general public/consumers  
SU22 Professional uses

**Uses advised against** Not determined  
**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

## 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	%
<b>COMPONENT</b>					
<b>Octyldodecyl Myristate</b>	2-octyldodecyl myristate	(CAS No.) 22766-83-2 (EC No.) 245-205-8	Not Classified	-	100%

### 3.2 Mixtures

Not applicable

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>General information</b>	No special measures required.
<b>After inhalation</b>	Supply fresh air; consult a doctor in case of complaints.
<b>After skin contact</b>	Generally the product does not irritate the skin.
<b>After eye contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>After swallowing</b>	Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

**Symptoms** No further relevant information available.

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

**Note to physicians** No further relevant information available.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media**

Carbon dioxide

**Unsuitable extinguishing media**

Water

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

No further relevant information available.

### 5.3 Advice for firefighters

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## Protective equipment

Wear fully protective suit. Wear self-contained breathing apparatus with facepiece.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Not required

### 6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

### 6.3 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.

### 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precaution for safe handling

#### Advice on safe handling

Keep receptacles tightly sealed.  
Open and handle receptacle with care.  
Avoid contact with hot product.

#### Information about fire - and explosion protection:

No special measures required.

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

#### Storage conditions

Store in a cool, dry place.

#### Incompatible materials

Avoid reaction with strong oxidizing agents.

#### Storage class (VbF)

No

#### Requirements to be met by storerooms and receptacles

No special measures required.

#### Information about storage in common storage facility

Not required

#### Further information about storage conditions

None

### 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: EXPOSURECONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace

#### Exposure limits

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

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<b>DNEL</b>	Not determined
<b>PNEC</b>	Not determined
<b>Additional information</b>	The valid lists during this review were used as a basis.

## 8.2 Exposure controls

**Appropriate engineering controls** Ensure that eyewash and safety showers are in close proximity to work location. Good general ventilation is recommended for handling the product. No further data; see section 7.

### Individual protection measures, such as personal protective equipment

#### General protective and hygienic measures

Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work.

#### Personal protective equipment

**Respiration protection** Not necessary if room is well-ventilated.



**Hands protection** Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. 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 protection** Safety goggles

**General protective measure** Avoid contact with the eyes and skin.

**General hygiene measure** The usual precautionary measures are to be adhered to when handling chemicals. Appropriate engineering controls to avoid dust in air

**Environmental exposure controls** Not determine

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical State</b>	Lipid
<b>Appearance</b>	Lipid

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<b>Color</b>	Light yellow
<b>Odor</b>	Faint
<b>Odor threshold</b>	Not determined

**Property**

<b>pH value (5%)</b>	Not determined
<b>Melting point/Melting range</b>	0 °C @ 101.3 kPa
<b>Boiling point/Boiling range</b>	Not determined
<b>Flash point</b>	221.5 °C @ 98.8 kPa
<b>Flammability (solid, gaseous)</b>	Not determined
<b>Ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Self-igniting</b>	Not determined
<b>Danger of explosion</b>	Product does not present an explosion hazard.
<b>Explosion limit</b>	
<b>Lower</b>	Not determined
<b>Upper</b>	Not determined
<b>Oxidizing properties</b>	Not determined
<b>Explosive properties</b>	Not determined
<b>Vapor pressure</b>	0 Pa @ 20 °C
<b>Density at 20 °C</b>	0.85~0.86 g/cm <sup>3</sup>
<b>Vapor density</b>	Not determined
<b>Relative density</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Solubility</b>	Insoluble in water (10.8 - 24.4 µg/L @ 19 °C and pH 6.3) Partly soluble in ethanol Soluble in mineral oil
<b>Partition coefficient (n-octanol/water at 25 °C)</b>	15.52 (estimated by calculation)
<b>Kinematic viscosity</b>	38 mm <sup>2</sup> /s
<b>Dynamic viscosity</b>	Not applicable

**9.2 Other information**

<b>Surface tension</b>	Not determined
<b>Dissociation constant</b>	Not determined
<b>Granulometry</b>	Not determined
<b>Molecular weight</b>	Not determined

**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

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<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

### 10.1 Reactivity

Not determined

### 10.2 Chemical stability

The product is stable under ordinary condition.

**Thermal decomposition/conditions to be avoided**

No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Name	Octyldodecyl Myristate CAS:22766-83-2
<b>Acute toxicity</b>	*Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Non irritant (tested at 100% actives)
<b>Serious eye damage/irritation</b>	*The substance is not considered to be a skin irritant or an eye irritant.
<b>Respiratory tract</b>	Not determined
<b>Respiratory/skin sensitization</b>	*Based on available data, the classification criteria are not met.
<b>Toxicokinetics, metabolism and distribution</b>	Not determined
<b>Repeated dose toxicity</b>	*Therefore, based on the analogue read-across approach, the available data on repeated dose toxicity do not meet the classification criteria according to Regulation (EC) 1272/2008 or Directive 67/548/EEC, and are therefore conclusive but not sufficient for classification.
<b>Germ Cell mutagenicity</b>	*Therefore, based on the analogue read-across approach, the available data on genetic toxicity do not meet the classification criteria according to Regulation (EC) 1272/2008 or Directive 67/548/EEC, and are therefore conclusive but not sufficient for classification.
<b>Carcinogenicity</b>	Not determined
<b>Reproductive toxicity</b>	*Based on available data, the classification criteria are not met.

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<b>STOT-single exposure</b>	Not determined
<b>STOT-repeated exposure</b>	Not determined
<b>Aspiration hazard</b>	Not determined

\*from ECHA webpage registration data

## 11.2 Information on other hazards

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

## SECTION 12: ECOLOGICAL INFORMATION

Name	Octyldodecyl Myristate CAS:22766-83-2
<b>12.1 Toxicity</b> Aquatic toxicity	*The substance exhibits no toxic effects on freshwater organisms up to the limit of the water solubility.
<b>12.2 Persistence and degradability</b>	*Readily biodegradable.
<b>12.3 Bioaccumulative potential</b>	*The substance is assumed to be low based on all available data.
<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

**Recommendation**

Observe community, national or regional regulations for waste handling and treatment.

**European waste catalogue**

Not applicable

### 13.2 Uncleaning packaging

**Recommendation**

Disposal must be made according to official regulations.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number or ID number

ADR/RID

Not applicable

ADN

Not applicable

IMDG

Not applicable

IATA

Not applicable

### 14.2 UN proper shipping name

ADR/RID

Not applicable

ADN

Not applicable

IMDG

Not applicable

IATA

Not applicable

### 14.3 Transport hazard class(es)

ADR/RID

Not applicable

ADN

Not applicable

IMDG

Not applicable

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IATA Not applicable

**14.4 Packing group**

ADR/RID Not applicable

ADN Not applicable

IMDG Not applicable

IATA Not applicable

**14.5 Environmental hazard**

Marine pollutant No

**14.6 Special precautions for user**

Special precaution for user Not applicable

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

Not applicable

**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	Octyldodecyl Myristate CAS:22766-83-2
Inventory - United States - Toxic Substances Control Act (TSCA)	N
Inventory - Canada - Domestic Substances List (DSL)	N
Inventory - Canada Non-Domestic Substances List (NDSL)	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)	N
Australian Inventory of Industrial Chemicals (AIIC)	Y
New Zealand Inventory of Chemicals	N
TCSI - Taiwan Chemical Substance Inventory	Y
OECD - List of High Production Volume Chemicals	N

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

**Directive 2004/42/EC**

**Seveso category**

Substance is not listed.



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**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

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### 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



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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