

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

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

### 1.1 Product identifier

Trade name **Corum 5047**  
CAS number **90052-75-8**

### 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**  
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

**Label according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.

#### **Hazard pictograms**



GHS09

#### **Signal word**

Danger

#### **Hazard statements**

H410 Very toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

P273 Avoid release to the environment.  
P391 Collect spillage.

## Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

**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.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	%
<b>COMPONENT</b>					
Octyldodecyl Stearoyl Stearate	-	(CAS No.) 90052-75-8 (EC No.) 289-991-0	Aquatic Chronic 1 H410	M(Chronic)=1	100%

**3.2 Mixtures**

Not applicable

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****General information**

No special measures required.

**After inhalation**

Supply fresh air; consult a doctor in case of complaints.

**After skin contact**

Generally the product does not irritate the skin.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing**

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.

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Carbon dioxide

#### **Unsuitable extinguishing media**

Not determined

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

No further relevant information available.

### 5.3 Advice for firefighters

#### **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 location.

Store in closed containers, in dry place and well ventilated.

Store away from oxidizing agents.

Solidification may occur at low temperatures. If solidification occurs, heat and stir well at 50 °C before use.

#### **Incompatible materials**

Avoid reaction with strong oxidizing agents.

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

**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: EXPOSURE CONTROLS/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.  
**DNEL** Not determined  
**PNEC** Not determined  
**Additional information** 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.

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

<b>Eye protection</b>	Safety glasses
<b>General protective measure</b>	Avoid contact with the eyes and skin.
<b>General hygiene measure</b>	The usual precautionary measures are to be adhered to when handling chemicals. Appropriate engineering controls to avoid dust in air
<b>Environmental exposure controls</b>	Not determined

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical State</b>	Lipid
<b>Appearance</b>	Lipid
<b>Color</b>	Light yellow
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not determined
<b><u>Property</u></b>	
<b>pH value (5%)</b>	Not determined
<b>Melting point/Melting range</b>	Not determined
<b>Boiling point/Boiling range</b>	Not determined
<b>Flash point</b>	263 °C
<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>	Not determined
<b>Density at 20 °C</b>	0.872 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 Partly soluble in propylene glycol Soluble in mineral oil Soluble in Isopropyl Myristate
<b>Partition coefficient (n-octanol/water at 25 °C)</b>	Not determined
<b>Kinematic viscosity</b>	Not applicable
<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

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

## Information with regard to physical hazard classes

Explosives	Void
Flammable Gases and Chemically Unstable Gases	Void
Flammable Aerosols	Void
Oxidising Gases	Void
Gases Under Pressure	Void
Flammable Liquids	Void
Flammable Solids	Void
Self-reactive Substances and Mixtures	Void
Pyrophoric Liquids	Void
Pyrophoric Solids	Void
Self-heating Substances and Mixtures	Void
Substances and Mixtures which in contact with water emit flammable gases	Void
Oxidising Liquids	Void
Oxidising Solids	Void
Organic Peroxides	Void
Substances and Mixtures corrosive to Metals	Void
Desensitized Explosives	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 Stearoyl Stearate CAS:90052-75-8
Acute toxicity	*Oral: LD50 > 20,000 mg/kg bw

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

LD/LC50 values relevant for classification	*Inhalation: LC50 > 5.7 mg/L *Dermal: LD50 > 2,000 mg/kg bw The available target and source substance data on acute toxicity do not meet the classification criteria according to Regulation (EC) 1272/2008 and are therefore conclusive but not sufficient for classification.
<b>Skin corrosion/irritation</b>	Non irritant (dilution at 20% actives) *Skin (in vivo, Draize testing method; human single patch test): not irritating
<b>Serious eye damage/irritation</b>	*Eye (in vivo, Draize testing method), rabbit: not irritating
<b>Respiratory/skin sensitization</b>	*Based on the analogue read-across approach, the available data on skin sensitisation do not meet the classification criteria according to Regulation (EC) 1272/2008 and are therefore conclusive but not sufficient for classification.
<b>Respiratory tract</b>	Not determined
<b>Toxicokinetics, metabolism and distribution</b>	Not determined
<b>Repeated dose toxicity</b>	*Oral: OECD 422, rat, NOAEL ≥ 1000 mg/kg bw/day 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 and are therefore conclusive but not sufficient for classification.
<b>Germ Cell mutagenicity</b>	*Based on the available data on analogue read-across approach, the results on genetic toxicity for the source substances do not meet the classification criteria according to Regulation (EC) 1272/2008 and are therefore conclusive but not sufficient for classification.
<b>Carcinogenicity</b>	No further relevant information available.
<b>Reproductive toxicity</b>	Based on the analogue read-across approach, the available data on toxicity to reproduction/development does not meet the classification criteria according to Regulation (EC) 1272/2008 and is therefore conclusive but not sufficient for classification.
<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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 11.2 Information on other hazards

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

## SECTION 12: ECOLOGICAL INFORMATION

Name	Octyldodecyl Stearoyl Stearate CAS:90052-75-8
<b>12.1 Toxicity</b> Aquatic toxicity	*The substance is classified as Chronic 1 for long-term environmental hazards according to the consolidated Regulation (EC) No 1272/2008 (dated: 01.03.2018) and further amendments (ATPs). <b>*Aquatic short-term toxicity</b> fish, No effects up to the limit of water solubility (OECD 203, EU method C.1, D. rerio/C. carpio, 96H) aquatic invertebrates, No data available algae, No effects up to the limit of water solubility (OECD 201, D. subspicatus/S. capricornutum, 72H)

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

	<b>*Aquatic long-term toxicity</b> fish, No data available aquatic invertebrates, NOEC: (21D) > 7.0 µg/L (nominal, OECD 211, D. magna, read-across) algae, No effects up to the limit of water solubility (OECD 201, D. subspicatus/S. capricornutum, 72H, read-across)
<b>12.2 Persistence and degradability</b>	*The substance is expected to be rapidly degraded by microorganisms in aquatic and terrestrial environments, including biological sewage treatment plants.
<b>12.3 Bioaccumulative potential</b>	The substance is expected to have a low potential for bioaccumulation.
<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  
HP14

Ecotoxic

### 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	3082
ADN	3082
IMDG	3082
IATA	3082

### 14.2 UN proper shipping name

ADR/RID	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
ADN	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
IMDG	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
IATA	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.

### 14.3 Transport hazard class(es)

ADR/RID	Class 9: Miscellaneous
ADN	Class 9: Miscellaneous
IMDG	Class 9: Miscellaneous
IATA	Class 9: Miscellaneous

### 14.4 Packing group

ADR/RID	Packing Group III
ADN	Packing Group III



# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

IMDG  
IATA

Packing Group III  
Packing Group III

## 14.5 Environmental hazard

Marine pollutant  
Special marking

No  
Symbol (fish and tree)

## 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

UN number  
UN proper shipping name  
Transport hazard class  
Packing group

3082  
RQ, Environmentally Hazardous Substance, Liquid, N.O.S.  
Class 9: Miscellaneous  
Packing Group III

## 14.9 Maritime transport in bulk according to

IMO instruments  
UN "Model Regulation"

Not applicable  
Not applicable

## SECTION 15: REGULATORY INFORMATION

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

Name	Octyldodecyl Stearoyl Stearate CAS:90052-75-8
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)	N
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
New Zealand Inventory of Chemicals	Y
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 E1 E1 Hazardous to the Aquatic Environment

# Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t  
Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

## **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  
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



## Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2024.02.06

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