

Safety Data Sheet

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

Trade name: **Corum 5047**

Version: 6

Revision: 2023.10.06

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

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.

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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	%
COMPONENT					
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.

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.

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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.

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Eye protection	Safety glasses
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 determined

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Lipid
Appearance	Lipid
Color	Light yellow
Odor	Characteristic
Odor threshold	Not determined

Property

pH value (5%)	Not determined
Melting point/Melting range	Not determined
Boiling point/Boiling range	Not determined
Flash point	263 °C
Flammability (solid, gaseous)	Not determined
Ignition temperature	Not determined
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Product does not present an explosion hazard.
Explosion limit	
Lower	Not determined
Upper	Not determined
Oxidizing properties	Not determined
Explosive properties	Not determined
Vapor pressure	Not determined
Density at 20 °C	0.872 g/cm ³
Vapor density	Not determined
Relative density	Not determined
Evaporation rate	Not determined
Solubility	Insoluble Partly soluble in propylene glycol Soluble in mineral oil Soluble in Isopropyl Myristate
Partition coefficient (n-octanol/water at 25 °C)	Not determined
Kinematic viscosity	Not applicable
Dynamic viscosity	Not applicable

9.2 Other information

Surface tension	Not determined
Dissociation constant	Not determined
Granulometry	Not determined
Molecular weight	Not determined

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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 > 20000 mg/kg bw

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LD/LC50 values relevant for classification	*Inhalation: LC50 > 5.7 mg/L *Dermal: LD50 > 2000 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.
Skin corrosion/irritation	Non irritant (dilution at 20% actives) *Skin (in vivo, Draize testing method; human single patch test): not irritating
Serious eye damage/irritation	*Eye (in vivo, Draize testing method), rabbit: not irritating
Respiratory/skin sensitization	*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.
Respiratory tract	Not determined
Toxicokinetics, metabolism and distribution	Not determined
Repeated dose toxicity	*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.
Germ Cell mutagenicity	*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.
Carcinogenicity	No further relevant information available.
Reproductive toxicity	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.
STOT-single exposure	Not determined
STOT-repeated exposure	Not determined
Aspiration hazard	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
12.1 Toxicity 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). *Aquatic short-term toxicity 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)

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	<p>*Aquatic long-term toxicity 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)</p>
12.2 Persistence and degradability	*The substance is expected to be rapidly degraded by microorganisms in aquatic and terrestrial environments, including biological sewage treatment plants.
12.3 Bioaccumulative potential	The substance is expected to have a low potential for bioaccumulation.
12.4 Mobility in soil	No further relevant information available.
12.5 Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable
12.6 Endocrine disrupting properties	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	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

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

IATA

Not applicable

14.4 Packing group

ADR/RID

Not applicable

ADN

Not applicable

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IMDG Not applicable
IATA Not applicable

14.5 Environmental hazard

Marine pollutant No
Special marking 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

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 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
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

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

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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

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



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IATA: International Air Transport Association

Sources

Own data from manufacture

Chemical safety report according to REACH registration dossier