

according to 1907/2006/EC, Article 31

Trade name: **IP-VCTM** Version: 2 Date: 2022.11.15

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

1.1 Product identifier

Trade name IP-VC™ CAS number 183476-82-6

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
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

This substance is not classified according to the CLP regulation

2.2 <u>Label elements</u>

Label according to Regulation (EC) No 1272/2008

Not applicable

2.3 Other hazards

Results of PBT and vPvB assessment

Not applicable



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Substance

3.2 Composition/information on ingredients

Chemical Name	CAS No.	EC No.
Tetrahexyldecyl Ascorbate	183476-82-6	430-110-8

SECTION 4: FIRST AID MEASURES

4.1 <u>Description of first aid measures</u>

General information Remove contaminated clothing. Seek medical treatment.

After inhalation Supply fresh air. Consult a doctor in case of complaints.

After skin contact Immediately wash with soap and copious amounts of water

If symptoms develop, seek medical attention.

After eye contact Rinse opened eyes for 15 minutes under running water.

If symptoms persist, consult a doctor.

After swallowing Rinse mouth with water Call 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 physiciansNo further relevant information available

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media

Not determined

5.2 Special hazards arising from the substance or mixture

No further relevant information available



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5.3 Advice for firefighters

Wear protective clothing and glasses.

Wear self-contained breathing apparatus with facepiece.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

May have particular danger of slipping on leaked/spilled product.

Avoid contact with skin, eyes and clothes.

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). Sweep up, place in a bag and hold for waste disposal.

6.4 Reference to other sections

See Section 7 for information on safe handing.

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 handing

Advice on safe handling
No special precautions are necessary if used correctly.

Avoid free fall and splashing. Prevent the risk of slipping.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Protect from contacting with light and moisture.

Store in sealed containers in a cool and dry place.

Incompatible materials None known based on information supplied

Storage class (VbF) No

7.3 Specific end use(s) No further relevant information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

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



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PNEC Not determined

Additional information The valid lists during this review were used as a basis.

8.2 **Exposure controls**

Personal protective equipment

Respiration protection Not necessary if room is well-ventilated

es Company

Hands protection Protective gloves

The glove material has to be impermeable and resistant to the

product/the substance/the preparation.

For prolonged or repeated contact use protective gloves.

Chemical resistant gloves (EN374)

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.

As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore tobe checked prior to the

application.

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 Chemical 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

handing chemicals.

Environmental exposure

controls No further relevant information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 <u>Information on basic physical and chemical properties</u>

Physical State Liquid Appearance Liquid

ColorColorless to light yellowOdorFaint characteristicOder thresholdNot determined

Property

pH value (3% aq.sol.)

Melting point/Melting range

Not determined

Not determined

Boiling point/Boiling range 164 °C



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226.5 °C Flash point Flammability (solid, gaseous) Not determined Ignition temperature Not determined **Decomposition temperature** Not determined Self-igniting Not determined Danger of explosion Not determined **Explosion limit** Lower Not determined Upper Not determined Oxidizing properties Not determined **Explosive properties** Not determined Vapor pressure at 25 °C Not determined Vapor density at 20 °C Not determined Relative density Not determined **Evaporation rate** Not determined Solubility (water 20 °C) Not determined Partition coefficient

(n-octanol/water at 24 °C)Not determinedKinematic viscosityNot determinedDynamic viscosityNot determined

9.2 Other information

Surface tension Not determined
Dissociation constant Not determined
Granulometry Not determined
Specific gravity (20 °C) Not determined

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No further relevant information available

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

Heat, fire, moisture and incompatible substances

10.5 Incompatible material

No further relevant information available

10.6 <u>Hazardous decomposition products</u>

No dangerous decomposition products known



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification

No further relevant information available

Primary Irritant effect

Skin corrosion/irritation In vivo, non-irritant

(Human patch test, pure & dilution at 10%)

Serious eye damage/irritation In vivo, slightly irritatant

(in-vitro HETCAM test, dilution at 10% in paraffin oil)

Respiratory tract Not determined Respiratory/skin sensitization Not determined

Additional toxicological information

Toxicokinetics, metabolism

and distribution

Not determined

Repeated dose toxicity Not determined

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ Cell mutagenicity Not Genotoxic

Negative results in test OECD 471, Bacterial Reverse

Mutation Test (Ames test)

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Aspiration hazardBased on physical form, product is not expected to pose an

aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

No further relevant information available

12.2 Persistence and degradability

No further relevant information available

12.3 Bioaccumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available



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12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.

Observe all federal, state and local environmental regulations

13.2 <u>Uncleaning packaging</u>

Recommendation Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID Not applicable
ADN Not applicable
IMDG Not applicable
IATA Not applicable

14.2 <u>UN proper shipping name</u>

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
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



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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

SECTION 15: REGULATORY INFORMATION

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

Inventory - United States - Toxic Substances Control Act (TSCA)

Substance is not listed.

Canada Domestic Substances List (DSL)

Substance is not listed.

Canada Non-Domestic Substances List (NDSL)

Substance is not listed.

European Inventory of Existing Chemical Substances (EINECS)

Substance is listed.

Japan Existing and New Chemical Substances (ENCS)

Substance is not listed.

China Inventory of Existing Chemical Substance (IECSC)

Substance is listed.

Korean Existing and Evaluated Chemical Substances (KECL)

Substance is not listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Substance is not listed.

Australian Inventory of Chemical Substances (AICS)

Substance is listed.

New Zealand Inventory of Chemicals

Substance is listed.

TCSI - Taiwan Chemical Substance Inventory

Substance is listed.

OECD - List of High Production Volume Chemicals

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.



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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.

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 IATA: International Air Transport Association

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Sources

Own data from manufacturer.