

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **IP-VC™**

Version: 2

Date: 2022.09.19

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 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
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
Not applicable

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: IP-VC™

Version: 2

Date: 2022.09.19

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Chemical characterization:** Substance

3.2 **Composition/information on ingredients**

Chemical Name	CAS No.	EC No.
Ascorbyl Tetraisopalmitate	183476-82-6	430-110-8

SECTION 4: FIRST AID MEASURES

4.1 **Description of first aid measures**

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

Note to physicians	No further relevant information available
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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

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **IP-VC™**

Version: 2

Date: 2022.09.19

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 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**

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

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **IP-VC™**

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Date: 2022.09.19

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

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 to be 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 handling chemicals.

Environmental exposure controls No further relevant information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Liquid
Color	Colorless to light yellow
Odor	Faint characteristic
Odor threshold	Not determined
<u>Property</u>	
pH value (3% aq.sol.)	Not determined
Melting point/Melting range	Not determined
Boiling point/Boiling range	164 °C

Flash point	226.5 °C
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 determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not 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 Hazardous decomposition products

No dangerous decomposition products known

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 irritant
(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 (carcinogenicity, 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.

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 Uncleaning packaging**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 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

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

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.

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.