

Safety data sheet

Page: 1/10

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

1. Substance/preparation and manufacturer/supplier identification

Product name:
Dispex® HIDE CX 4540

Use: additives for inks, varnishes or coatings, dispersing agent

Manufacturer/supplier:
BASF South East Asia Pte Ltd.
128 Beach Road #18-01
Guoco Midtown, 189773, Singapore
Telephone: +65 8322 4420
Telefax number: +65 6 334-0330
E-mail address: benny.zou@basf.com

Emergency information:
Singapore Emergency Toll-Free Number:
Telephone: 1800-723-1361
International emergency number:
Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:
No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification:
No specific dangers known, if the regulations/notes for storage and handling are considered.

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

Aqueous solution based on: acrylic copolymer

No particular hazards known.

4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:
Symptoms: (Further) symptoms and / or effects are not known so far
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam

Specific hazards:
harmful vapours
Generation of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Storage

Further information on storage conditions: Keep container tightly closed and in a cool place.

8. Exposure controls and personal protection

Components with occupational exposure limits

No substance specific occupational exposure limits known.

Personal protective equipment

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

Eye protection:
Safety glasses with side-shields.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow to brownish	
Odour:	ammonia-like	
Odour threshold:	not determined	
pH value:	8.5	(pH Meter)
Melting point:	< -18 °C	
boiling temperature:	100 °C (1,013 hPa) Information applies to the solvent.	
Flash point:	> 100 °C	
Evaporation rate:	The product is a non-volatile solid.	
Flammability (solid/gas):	not flammable	
Lower explosion limit:		(DIN 51649-1)
	not determined	
Upper explosion limit:		(DIN 51649-1)
	not determined	
Ignition temperature:	Based on the water content the product does not ignite.	
Thermal decomposition:	not determined	
Self ignition:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	The product has not been tested.	
Density:	1.16 g/cm ³ (20 °C)	(ISO 2811-3)
Relative density:	1.16 (20 °C)	
Relative vapour density (air):	No data available.	
Solubility in water:	soluble	

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

Hygroscopy: Non-hygroscopic
Solubility (qualitative) solvent(s): alcohols
soluble
Partitioning coefficient n-octanol/water (log Pow):
Study does not need to be
conducted.

Viscosity, dynamic: 160 mPa.s (N-114; Viskosität nach
(23 °C) Brookfield)
Viscosity, kinematic: approx. 138 mm²/s (calculated (from dynamic
(23 °C) viscosity))

Solids content: approx. 41 %

Particle characteristics

Particle size distribution: No data available. -
Specific Surface Area: No data available.
Particle Shape: No data available.
Dustiness: No data available.

10. Stability and Reactivity

Conditions to avoid:
See SDS section 7 - Handling and storage.

Thermal decomposition: not determined

Substances to avoid:
No substances known that should be avoided.

Corrosion to metals: Corrosive effects to metal are not anticipated.

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:
The product is chemically stable.

Reactivity:
No hazardous reactions if stored and handled as prescribed/indicated.

11. Toxicological Information

Routes of exposure

Acute oral toxicity

Experimental/calculated data:
LD50rat (oral): > 5,000 mg/kg

Acute inhalation toxicity

LC50 (by inhalation): > 5 mg/l
The statement for acute inhalative toxicity was derived from products of similar composition. An aerosol was tested.

Acute dermal toxicity

LD50 (dermal): > 5,000 mg/kg
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of acute toxicity

No data available.

Symptoms

(Further) symptoms and / or effects are not known so far

Irritation

Assessment of irritating effects:
No data available.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Serious eye damage/irritation rabbit: non-irritant
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Respiratory/Skin sensitization

Assessment of sensitization:
No sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:
not determined

Germ cell mutagenicity

Assessment of mutagenicity:
The substance was not mutagenic in bacteria.

Carcinogenicity

Assessment of carcinogenicity:
No data available.

Experimental/calculated data:
No data available.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Experimental/calculated data:
No data available.

Developmental toxicity

Assessment of teratogenicity:
Based on the ingredients, there is no suspicion of a teratogenic effect.

Specific target organ toxicity (single exposure)

Remarks: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Experimental/calculated data:
No data available.

Aspiration hazard

not applicable

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
No data available.

Toxicity to fish:
LC50 (96 h) > 100 mg/l, Fish
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates:
LC50 (48 h) > 100 mg/l, daphnia
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic plants:

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

EC50 (72 h) > 100 mg/l, algae

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Microorganisms/Effect on activated sludge:

EC50 (0.5 h), bacteria (other)

not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The polymer component of the product is poorly biodegradable.

Bioaccumulation potential

Assessment bioaccumulation potential:

No data available.

Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

UN number or ID number Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
	Marine pollutant: no
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

15. Regulatory Information**Other regulations**

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

BASF Safety data sheet
Date / Revised: 31.01.2025
Product: **Dispex® HIDE CX 4540**

Version: 2.2

(30646326/SDS_GEN_SG/EN)

Date of print: 21.10.2025

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.