

Material Safety Data Sheet
according to REACH and EC Regulation No. 1907/2006, Article 31

Version: 2.0
Revision date: 21.10.2022

1 / 6 EN
Printing date: 29.11.2024

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

- **Name of the product:** VisioClear Anti-Fog
- **Product code:** AF 550-SSZH-1.5
- **Use / description:** High Performance anti-fog and anti-static cleaner for eye glasses of all kind, visors, masks and transparent plastic materials

Company identification: J. Bosch Laboratories GmbH
Auf den Trohnen 7
D - 59469 Ense (Germany)
Tel.: +49 (0) 29 38 – 987 59 50
Fax: +49 (0) 29 38 – 987 59 59

- **Emergency number / advice centre**
Advice centre for symptoms of poisoning: Tel.: +49 (0) 228 – 19240 (university clinic Bonn)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This mixture does not meet the criteria for the classification according to the Regulation (EC) no.1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 None

Hazard pictograms None

Signal word None

Hazard statements None

2.3 Other hazards Other hazards have not been identified for this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 mixtures

Chemical characterisation: Surface-active, anti-fog and electrostatic agents dissolved in a non-flammable enriched surfactants aqueous solution.

Dangerous components: None

· **Additional information** For the wording of the listed risk/hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1 Inhalation

Supply person with fresh air.
Remove person from danger area.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.3 Skin contact

Wash thoroughly using copious water – remove contaminated clothing immediately.
If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

Do not induce vomiting.
Call doctor immediately – have Data Sheet available.
Rinse the mouth thoroughly with water.

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4.5 Special resources necessary for first aid

n.g.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water jet spray
Alcohol resistant foam
CO₂

5.2 Extinguishing media which must not be used for safety reasons

High volume water jet

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon

If applicable:

Toxic pyrolysis products.

Flammable vapour/air mixtures.

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.

Caution – risk of slipping.

Avoid contact with eyes.

6.2 Environmental measures

If leakage occurs, dam up.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal bindung medium), and dispose of according to point 13.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Observe directions on label and instructions for use.

General hygiene measures for the handling of chemicals are applicable.

7.2 Storage

Requirements for storage rooms and containers:

Store products only unopened, in original packing.

Not to be stored in gangways or stair wells.

Store product only in original containers.

Special storage conditions:

See point 10.2

Store cool

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the OES, MEL or MAK values, suitable breathing protection should be worn.

8.1 Respiratory protection: Normally not necessary.

If OES-, MEL- or MAK-value is exceeded.

Filter A (EN 141)

8.2 Hand protection:

Protective hand cream recommended.

Recommended

Rubber gloves (EN 374).

8.3 Eye protection:

With danger of contact with eyes.

Tight fitting protective goggles with side protection (EN 166).

8.4 Skin protection: Usual protective working garments

Additional information on hand protection – No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Colour:	clear to turbid
Odour:	characteristic
pH-value undiluted:	7,0 g/cm ³ (neutral)
Boiling point / range (°C):	~ 100
Melting point / range (°C):	n.v.
Flash point (°C):	> 55°C
Relative density (g/ml):	1,0
Solubility in water:	mixable

10. STABILITY AND REACTIVITY

10.1 Reactivity

Up to now, no dangers resulting from a reactivity of the mixture have been identified.

10.2 Chemical stability

Conditions to be avoided: Protect against temperatures > 40 °C.

Minimum shelf life: 12 months from production date.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: None, if storage and handling is done according to specification.

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10.2 Materials to avoid

Avoid contact with oxidizing agents.
Avoid contact with other chemicals.

10.3 Hazardous decomposition products

See point 5.3

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity and immediate effects

11.1.1 Ingestion, LD50 rat oral (mg/kg):	n.v.
11.1.2 Inhalation, LC50 rat inhal. (mg/l/4h):	n.v.
11.1.3 Skin contact, LD50 rat dermal (mg/kg):	n.v.
11.1.4 Eye contact:	n.v.

11.2 Delayed and chronic effects

11.2.1 Sensitization:	n.g.
11.2.2 Carcinogenicity:	n.g.
11.2.3 Mutagenicity:	n.g.
11.2.4 Reproductive toxicity:	n.g.
11.2.5 Narcosis:	n.g.

11.3 Further information

No classification according to calculation procedure.

12. ECOLOGICAL INFORMATION

Water hazard class (Germany):	1
Self classification:	Yes (VwVwS)
Persistence and degradability:	
Readily biodegradable *	
Behaviour in sewage plants:	Problems not expected when used correctly.
Aquatic toxicity:	n.v.
Ecological toxicity:	n.v.
* Ethanol	

13. DISPOSAL CONSIDERATIONS

13.1 for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

07 01 04 other organic solvents, washing liquids and mother liquors

07 07 04 other organic solvents, washing liquids and mother liquors

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

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13.2 for contaminated packing material

See Point 13.1

Pay attention to local and national official regulations

14. TRANSPORT INFORMATION

14.1 UN-Number
ADR, IMDG, IATA

None

14.2 UN proper shipping name
ADR, IMDG, IATA

None

14.3 Transport hazard class(es)
ADR, IMDG, IATA
Class

None

14.4 Packing group
ADR, IMDG, IATA

None

14.5 Environmental hazards:
Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II
of Marpol and the IBC Code

Not applicable.

Transport/Additional information: Not hazardous for transport according to a.m. regulations.

UN "Model Regulation":

None

15. REGULATIONS

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Indication of VOC:

VOC according to Directive 1999/13/EC:

This product does not contain any relevant amounts of "Volatile Organic Compounds" (VOC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany):

3 A

Revised points:

n.a.

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2):

Not applicable



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LEGEND

n.a. = not applicable / n.v., k.D.v. = not available / n.g. = not checked / OES = Occupational exposure standard / MEL = Maximum exposure limit / BMGV = Biological monitoring guidance value / MAK = Maximum concentration for work place (Germany) / TRK = Technical guidance concentration (Germany) / BAT = Biological tolerance for work place (Germany) / VbF = Regulations for flammable liquids (Germany) / TRbF = Technical regulations for flammable liquids (Germany) /
WGK = water hazard class (Germany) – WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water / VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds / VwVwS = Administrative Order relating to substances hazardous to water (Germany).

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility .