Safety data sheet

Based on the Regulation (EC) No. 1907 /2006 / EC, Article 31

Preparation Date: 07-12-2018
Version: D-01

Revised: 12-05-2026

SECTION 1:
Identification of the substance or mixture and the company

1.1 Product identifier

Trade name:	INOXI BLUE
Registration number:	N-120915 (Product type 5)

1.2 Relevant identified use of the substance or mixture and uses that are discouraged

General use:	Disinfecting agent
Identified use:	Disinfecting agent for drinking water / process water

1.3 Details of the supplier providing the safety data sheet

Company name:	SIPS GmbH
Street /PO Box:	D-97076 Würzburg
Postcode, city:	Sandäcker 2
www:	www.inoxi-desinfektion.de/en/
E-mail:	info@sips-hygiene.de
Telephone:	+49 931 27002 260
Fax:	+49 931 27002 261
Technical information	info@sips-hygiene.de
SHDB information:	info@sips-hygiene.de

1.4 Emergency information about the company

+49 931 27002 260 (Mon-Fri 9:00 am - 05:00 pm)

SECTION 2: Possible hazards

2.1 Classification of the substance or mixture

Classification according to EC Regulation 1272/2008 (CLP)

The product is not classified according to the CLP Regulation.

2.2 Labelling elements

Labelling according to EC Regulation 1272/2008 (CLP) not applicable

Hazard warnings / hazard pictograms: Not applicable

Signal word: not applicable

Additional information

Active ingredient of the biocidal product: 0.3g/l (0.03 %)

EUH031 Develops toxic gases upon contact with acid

Use the biocidal product carefully. Always read the label and product information before use.

2.3 Other hazards

Does not contain polybutylene terephthalate (PBT) or other persistent, bioaccumulative (vPvB) substances

SECTION 3: Composition / information on components

3.2 Chemical characterisation: Mixture

Description: Aqueous solution; mixture of the substances listed below with unlabelled additions.

Ingredient	Name	Content	Classification
EC No. (EINECS).: 232-232-5 CAS: 7790-92-3	Active chlorine released from hypochlorous acid	0,3g/L	H290 EUH031 P410 + P412
EC No. (EINECS).: 231-598-3 CAS: 7647-14-5	Sodium chloride	> 0.1% to < 1.0%	

Additional information:
Where necessary, the maximum allowable concentrations are given in Section 8.
Dermatologically tested, no skin changes. Value of stimulus is 0 (null) in HET-CAM

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	No specific measures required, consult a doctor if symptoms occur
After inhalation:	If you feel uneasy, get fresh air
After skin contact:	In case of paraesthesia rinse with water
After eye contact:	In case of paraesthesia rinse thoroughly with water
After swallowing:	Drink plenty of water if you feel uneasy

4.2 Important acute and delayed symptoms and effects

No data available

4.3 Information on immediate medical help or special treatment

Symptomatic treatment

SECTION 5: Measures to fight fires

5.1 Extinguishing agent

Suitable extinguishing agents:	The product itself is not flammable. Take extinguishing measures according to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

The surrounding fire can release chlorine compounds.

5.3 Instructions for fire fighting

No specific additional measures are required.

SECTION 6: Measurements in the event of accidental release

6.1 Personal precautions, protective equipment and emergency measures

The general precautions must be observed.

6.2 Environmental measures

If released into the environment, rinse with water.

6.3 Methods and materials for retention and cleaning

Absorb with liquid-binding material and dispose of in suitable containers according to regulations

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and Storage

7.1 Protective measures for safe handling

Instructions for safe handling: Ensure good ventilation of warehouse and workplace.

Information on fire and explosion protection: The product does not burn or explode.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:	Store only in the original container, keep container tightly closed. Protect from frost and direct sunlight. Recommended storage temperature 5 to 25 °C.
Information on storage in a common storage facility:	Must not come into contact with acids; development of chlorine gas possible.
Other information:	None
Storage class:	12 = non-flammable liquids

7.3 Specific end use

Follow instructions for use.

SECTION 8: Limitation and monitoring of exposure / personal protective equipment

8.1 Maximum allowable concentration

Components with limit values that require monitoring at the workplace are not included in the product in relevant quantities.

8.2 Limitation and monitoring of exposure

Ensure good ventilation of the working area.

Personal protective equipment

Protection and hygiene measures:	The usual precautions when handling chemicals must be observed.
Breathing protection:	Not required
Hand protection:	Not relevant
Eye protection:	Wear protective goggles
Body protection:	Not relevant

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance:	Clear, colourless liquid – large quantity bluish
Odour:	Faint chlorine-like odour
Odour threshold:	No data available
pH value at 20 °C:	6 to 8
Melting /freezing point:	approx. - 2 °C at standard pressure (1013 Pa)
Boiling point:	approx. 100 °C at standard pressure (1013 Pa)
Flash point:	Not applicable
Evaporation rate:	No data available
Inflammability:	Not flammable
Upper / lower explosion limit:	Both not applicable
Vapour pressure:	No data available
Vapour density:	No data available
Density at 20 °C:	approx. 1.004 g/mL
Water solubility:	Fully soluble
Partition coefficient n-octanol / water:	No data available
Autoignition temperature:	Not applicable
Decomposition temperature:	170 °C
Kinematic viscosity:	No data available
Explosive properties:	Not explosive
Oxidising properties:	Does not react exothermally with flammable material Solutions <10% not more corrosive than water

9.2 Other information

Ignition temperature: Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

See 10.3

10.2 Chemical stability

Stable under the specified storage conditions

10.3 Possible hazardous reactions

Reacts with acids to form chlorine

10.4 Conditions to be avoided

Protect from heat and direct sunlight

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

No decomposition when used as intended

Thermal decomposition: Formation of sodium chlorate

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral):	On the basis of the available data, the classification criteria are not met.
Acute toxicity (dermal):	Dermatologically tested, no skin changes.
Acute toxicity (inhalative):	On the basis of the available data, the classification criteria are not met.
Corrosive/irritant effect on the skin:	Dermatologically tested, no skin changes.
Eye damage/irritation:	Value of stimulus is 0 (null) in HET-CAM
Sensitisation of the respiratory passages:	On the basis of the available data, the classification criteria are not met.
Sensitisation of skin:	Dermatologically tested, no skin changes.
Germ cell mutagenicity/genotoxicity:	On the basis of the available data, the classification criteria are not met.
Carcinogenicity:	On the basis of the available data, the classification criteria are not met.

Reproductive toxicity:	On the basis of the available data, the classification criteria are not met.
Effects on and through breast milk:	On the basis of the available data, the classification criteria are not met.
Specific target organ toxicity (single exposure):	On the basis of the available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):	On the basis of the available data, the classification criteria are not met.
Danger of aspiration:	On the basis of the available data, the classification criteria are not met.

Other information

Information on sodium hypochlorite:	LD_{50} oral rat: >5,000 mg/kg LD_{50} dermal rabbit: >5,000 mg/kg
Information on biocidal products containing the same active ingredient:	Sodium hypochlorite / hypochlorous acid can be used in products for skin disinfection at a concentration of 0.1%.

SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity:	Active chlorine released from sodium hypochlorite - CAS: 7790-92-3 Acute aquatic toxicity endpoints: LC_{50} fish >0.032 mg/l – 96 h LC_{50} crustaceans >0.032 mg/l – 48 h LC_{50} algae = 46 mg/l – 96 h
Water hazard class:	Not hazardous to water
Other information:	No classification according to calculation methods of the "General EC classification guidelines for mixtures" in the latest valid version.

12.2 Persistence and degradability

Non-persistent; reacts quickly with organic material.

Behaviour in sewage treatment plants:	No inhibition of the degradation activity in biological sewage treatment plants are to be expected when low concentrations are discharged.

12.3 Bioaccumulation potential

Not relevant. The product consists of approx. 99% water and approx. 1% salts and hypochlorous acid.

12.4 Mobility in the ground

Not relevant; there is a rapid degradation.

12.5 Results of PBT and vPvP assessment

PBT: Not applicable
vPvB: Not applicable

12.6 Other adverse effects

Do not allow uncontrolled release into the environment. Ecotoxicological data is not available. According to current knowledge, negative ecotoxicological effects are not to be expected.

SECTION 13: Information on disposal

13.1 Waste treatment process

Product

Waste code number:	20-03-99 = Municipal waste n.e.c.
Recommendation:	Disposal in accordance with official regulations. Reduction with Sodium thiosulphate or sodium sulphite.

Packaging

Waste code number:	15-01-02 = Plastic packaging
Recommendation:	Disposal in accordance with official regulations. Emptied and non-contaminated packaging can be recycled.

SECTION 14: Transport information

14.1 UN number

ADR, ADN, IMDG, IATA not applicable

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA not applicable

14.3 Transport hazard class

ADR, ADN, IMDG, IATA not applicable

14.4 Packaging group

ADR, IMDG, IATA not applicable

14.5 Environmental hazards

Marine pollutant-IMDG; no

14.6 Special precautions for the user

Not applicable. No hazardous material as defined by the transport regulations for land, ship and air transport (ARD and GGVSE, IMDG/GGVSee, ICAO-TI and IATA/DGR).

14.7 Transport in bulk in accordance with Annex II to the MARPOL Convention and the IBC Code

Not applicable

SECTION 15: Statutes

15.1 Safety, health and environmental protection regulations / legislation specific to the substance or mixture

National regulations - Germany

Storage class: 12 = non-flammable liquids

Water hazard class: WHC 1 (own classification): Not hazardous to water

Other regulations, restrictions and prohibitions

VOC content: Not applicable
Substances of very high concern (SVHC) according to REACH, Article 57, are not included.

15.2 Chemical safety assessment

Not required

SECTION 16: Other information

16.1 More information

For text of H and P phrases: see section 3

H290 = May be corrosive to metals

EUH031 = Develops toxic gases upon contact with acid

P410 = Protect against exposure to direct sunlight

P412 = Do not expose to temperatures above 50 °C / 122 °F

Bibliography

Accident Prevention Regulations (UVV) – Principles of prevention (DGUV-V1)

This safety data sheet replaces all previous versions.

All the above information is based on the current state of our knowledge, but it does not constitute a guarantee of product properties and does not establish a contractual legal relationship. Legal regulations must be observed at your own responsibility.

Abbreviations and acronyms	
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieure
ARD	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
EC	European Community
EINECS	European Inventory of Existing Commercial Chemical Substances
EU	European Union
GefStoffV	Gefahrstoffverordnung [Hazardous Substance Ordinance]
GGVSE	Verordnung über die innerstaatliche und grenzüberschreitende Beförderung gefährlicher Güter auf der Straße, mit Eisenbahnen und auf Binnengewässern [Regulation on carriage of dangerous goods by road and rail]
GGVSee	Gefahrgutverordnung See [Maritime hazardous goods ordinance]
IMDG	International Maritime Code for Dangerous Goods
ICAO-TI	International Civil Aviation Organization - Technical Instructions
IATA-DGR	International Air Transport Association - Dangerous Goods Regulations
PBT	Polybutylenterephthalat(e)
REACH	Registration, Evaluation, Authorization of Chemicals
SVHC	Substances of Very High Concern
VOC	Volatile Organic Compounds
vPvB	very Persistent and very Bioaccumulative substances / sehr persistente und sehr bioakkumulierbare Stoffe