

SAFETY DATA SHEET

WATEX INH12

According to the Regulation No. 1907/2006/EC (REACH), Annex II, as amended by Regulation No. 2020/878/EC

Date of revision: 2025-05-12 / EN
Date of previous revision: 2025-05-12 / EN

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: WATEX INH12

Product description: Polyacrylates, polyphosphates and sodium bisulphite aqueous solution.

Product type: Liquid.

UFI: 3GV0-NOPY-200V-5ME7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Scale and corrosion Inhibitor for boiler water treatment. Industrial water treatment.

Uses advised against:

Do not use for non-specified uses.

1.3. Details of the supplier of the safety data sheet

Company: WATEX Ltd.

Address: Ganību dambis 27 K-5, Rīga, Latvia

Telephone: +371 67381989

E-mail: info@watex.eu

1.4. Emergency telephone

Poisoning control and information bureau

Address: Šiltmānīšu str. 29, LT -2043 Vilnius, Lithuania

Telephone number: 0 5 236 20 52

E-mail: info@tox.lt

Work time: All day (24 hours).

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Product type: Mixture

According to Regulation (EC) No 1272/2008 [CLP]

Eye Irritation, Category 2 H319 Causes serious eye irritation.

2.2. Label elements

According to Regulation (EC) No 1272/2008 [CLP].

Pictogram:



GHS07

Signal Word: Warning.

Hazardous substances in the mixture:

None.

Hazard Statement:

H319 Causes serious eye irritation.

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Precautionary Statements:

Prevention:

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337 + P313 If eye irritation persists get medical advice/attention.

2.3. Other hazards

Evaluation of PBT and vPvB results

PBT: Not applicable.

vPvB: Not applicable.

No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Chemical name: Polyacrylates, polyphosphates and sodium bisulphite aqueous solution.

Name	CAS No.	EINECS No.	Index No.	REACH Registration No.	Concentration range (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]	General limit concentration
Polyacrylates	9003-04-7	-	-	-	10 - 15	Not classified.	-
Sodium bisulphite	7631-90-5	231-548-0	016-064-00-8	-	5 - 10	Acute Tox. 4 H302	≥ 1 %
Polyphosphates	7320-34-5	230-785-7	-	02-211-9536114-49-000	5 - 10	Eye Irrit. 2 H319	≥ 1 %

For the full text of the H-statements mentioned in the Section 16.

Additional information:

Specific concentration limits: None.

M-factor:

None.

ATE (Acute toxicity estimates):

ATE_{mix}=5000 mg/kg bw (calculated).

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Remove contaminated clothing.

If inhaled:

The product is not volatile. If symptoms are felt, it is recommended to bring to fresh air to breathe.

On skin contact:

Remove contaminated clothing, footwear, watches, etc. And clean thoroughly before re-using them.

Wash immediately with plenty of water. Seek medical treatment in all cases of irritation or burns.

On contact with eyes:

Rinse immediately with plenty of water for at least 10-15 minutes. Immediately obtain medical attention.

On ingestion:

Immediately rinse mouth and drink at least 1.5 liters of water, seek medical attention.

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4.2. Most important symptoms and effects, both acute and delayed

Both acute symptoms:

If inhaled:	No information available.
On skin contact:	May cause skin irritation.
On contact with eyes:	Causes serious eye irritation.
On ingestion:	No information available.

Delayed symptoms:

If inhaled:	No information available.
On skin contact:	Irritation, allergic reaction.
On contact with eyes:	Tearing, redness, eye irritation.
On ingestion:	No information available.

4.4. Indication of any immediate medical attention and special treatment needed

Treatment: No information available.

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

All types of extinguishing media are suitable: water, dry powder, carbon dioxide, foam, sand and other.

Unsuitable extinguishing media:

None known.

5.2. Special hazards arising from the substance or mixture

Dangerous products of combustion of the mixture was not observed. Sulfur oxides may be formed.

5.3. Advice for firefighters

Wear protective working tools such boots, coveralls, gloves, eye and face protection.
EN 469 - Protective clothing for firemen.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Avoid contact with skin and eyes. Wear personal protective equipment as described under Heading 8. ensure adequate ventilation in the workplace.

6.1.2. For emergency responders

Avoid contact with skin and eyes. Wear personal protective equipment as described under Heading 8.

6.2. Environmental precautions

Do not wash product down sewage and drainage systems or into bodies of water. If getting really happened, heavily diluted with water. The mixture don't pose a significant risk to health.

6.3. Methods and material for containment and cleaning up

Absorb the spillage into sand or other inert material, shovel into suitable containers. If containment is not possible and material enters the drain, dilute as much as possible with water.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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SECTION 7: Handling and Storage

7.1. Precautions for safe handling

In the workplace should be equipped good ventilation. Do not eat, drink or smoke in the workplace. Avoid possible contact with skin, eyes or mouth. Wash hands after use. If work clothes or protective equipment become contaminated, remove them immediately. Follow good manufacturing practices. Avoid release to the environment. Keep away from water-reactive substances. Protection against fire and explosion: No special precautions necessary.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in a cool, dry area in original manufacturer's packaging.

Storage stability:

Keep storage area should be dry, cool, 0 to 35 ° C and ventilated. Avoid freezing and high temperature change.

Unsuitable (incompatible) storage of chemicals: strong acids.

The mixture don't present a risk of ignition or explosion.

7.3. Specific end use(s)

Used as an scale and corrosion inhibitor for boiler water treatment.

The concentrated product is dosed using a dosing pump proportional to the amount of treated water.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits:

In Lithuania HN:23:2011 data:

Name			Exposure limits					
			Long term(TWA)		Short term (STEL)		Limit size	
No..	Name	CAS No.	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm
1.	Sulfur dioxide	7446-09-5	5	2	-	-	13	5

Information on sodium bisulphite CAS No. 7631-90-5

TWA (8 hours) 5 mg / m³.

DNEL values:

DNEL for workers, prolonged systemic effects by inhalation: 246 mg/m³

DNEL for user, short, local effect by inhalation: 73 mg/m³

DNEL for user, long-term local effect, oral toxicity: 9.5 mg/kg bw/day

PNEC values:

PNEC: Fresh water: 1.09 mg/l

PNEC: Sea water: 0.11 mg/l

PNEC: Microorganisms in purified sewage: 82.5 mg/l

8.2. Exposure controls

8.2.1. Personal protective equipment

General safety and hygiene measures

General indoor ventilation.

General safety and hygiene measures

Do not eat, drink or smoke when working with product to avoid contact with skin or mouth. Remove contaminated clothing, footwear, etc., and clean thoroughly before re-using them.

Respiratory protection. Not necessary. In case of hypersensitivity, a respirator with a P3 type filter is recommended.

Eye protection. Wear approved glasses (EN 166) or safety goggles to prevent contact with eyes.

Skin protection. Wear rubber gloves (PVC, Viton (EN 374)), usual work clothes.

Protection against thermal hazards: Not required.

8.2.2. Environmental exposure controls

Do not wash product down sewage and drainage systems or into bodies of water.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid;
Colour:	Yellowish - reddish;
Odour:	Weak smell product;
Odour threshold:	Not determined;
Melting/freezing point:	-5°C;
Boiling point/range:	100 ÷ 130 °C;
Flammability (solid, gas):	Not applicable;
Upper/lower flammability:	Not determined;
Flash point:	Not determined;
Auto-ignition temperature:	Not determined;
Decomposition temperature:	Not determined;
pH, (20 °C):	9,0 - 10,5;
Viscosity:	Not determined;
Solubility:	Soluble in water;
Partitioning coefficient n-octanol/water (log Kow):	Not applicable;
Vapour pressure:	Not determined;
Density (20 °C):	1,14 ± 0,05 g/cm ³ ;
Relative vapor density:	Not determined;
Particle size:	Not applicable;

All the listed properties apply to the product (mixture).

9.2. Other Information

Explosives materials:	Not applicable.
Flammable gases:	Not applicable.
Aerosols:	Not applicable.
Oxidizing gases:	Not applicable.
Compressed gas:	Not applicable.
Flammable liquids:	Not applicable.
Flammable solids:	Not applicable.
Self-reactive substances:	Not applicable.
Pyrophoric liquids:	Not applicable.
Pyrophoric solids:	Not applicable;
Substances and mixtures which, in contact with water, emit flammable gases:	Not applicable.
Self-heating substances and mixtures:	Not applicable.
Oxidizing liquids:	Not applicable.
Oxidizing solids:	Not applicable.
Organic peroxides:	Not applicable.
Corrosive to metals:	Not applicable.
Desensitized explosives:	Not applicable.

No data available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

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

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated (see Heading 7).

10.3. Possibility of hazardous reactions

The heat released by mixing with strong acids.

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10.4. Conditions to avoid

Avoid freezing.

10.5. Incompatible materials

Avoid contact with acids, strong oxidizing agents.

10.6. Hazardous decomposition products

The product is stable, but heating may release hazardous decomposition products: CO, CO₂, PO_x, SO₂, PO_x.

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Eye contact: Direct contact with product may irritation.

Skin contact: Based on available data, the classification are not met.

Ingestion: Tests with rats: LD50 >1540 mg/kg bw/day (sodium bisulphite), LD50 >2000 mg/kg bw/day (tetrapotassium pyrophosphate). ATE_{MIX}=5000. Based on available data, the classification are not met.

Inhalation: Not volatile. Based on available data, the classification are not met.

Skin corrosion / irritation: Based on available data, the classification are not met.

Eye damage / irritation: Eye Irritation, Category 2. Causes serious eye irritation. Eye irritation is caused by polyphosphates.

Sensitization: Skin: Based on available data, the classification are not met.

Respiratory: Based on available data, the classification are not met.

Mutagenicity: Based on available data, the classification are not met.

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

Reproductive toxicity: Based on available data, the classification are not met.

Specific target organ toxicity (STOT SE) – single exposure: Based on available data, the classification are not met.

Specific target organ toxicity (STOT RE) – repeated exposure: Based on available data, the classification are not met.

Aspiration hazard: Based on available data, the classification are not met.

Information on likely routes of exposure

Skin contact: The mixture does not present a skin hazard. May cause skin irritation.

Eye contact: Mixture causes eye irritation. Eye protection must be worn.

Inhalation: The mixture does not present a respiratory hazard. The mixture is not volatile.

Ingestion: The mixture does not present a risk of ingestion, but possible ingestion of the mixture must be avoided.

Symptoms related to the physical, chemical and toxicological characteristics

Skin contact: The mixture does not present a skin hazard.

Eye contact: Mixture causes eye irritation. Eye protection must be worn.

Inhalation: The mixture does not present a respiratory hazard. The mixture is not volatile.

Ingestion: The mixture is not dangerous if swallowed.

Delayed and immediate effects as well as chronic effect from short and long-term exposure

Short time exposure:

Potential immediate effect: Not available.

Potential delayed effect: Not available.

Long term exposure:

Potential immediate effect: Not available.

Potential delayed effect: Not available.

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Potential chronic health effect:

Carcinogenicity: No known significant effect or critical hazards.
Mutagenicity: No known significant effect or critical hazards.
Reproductive toxicity: No known significant effect or critical hazards.

11.2. Information on other hazards

Endocrine disrupting properties:

Based on available data, the classification are not met.

Other information:

None.

SECTION 12: Ecological Information

12.1. Toxicity

The product does not have any known adverse effects on the aquatic organisms tested. The addition of large amounts of product to water may cause a rise in pH (alkalinity).

Product component: Sodium bisulphite

Fish toxicity	LC50 - Gambusia affinis - 240 mg/l - 96 h
Toxicity to Daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Daphnia) - 102 mg/l

Product component: tetrapotassium pyrophosphate

Fish toxicity	LC50 - Cyprinus carpio (Gold carp) - 750 mg/l – 96 h
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Conclusion: Based on available data, the classification are not met.

12.2. Persistence and degradability

Completely soluble in water.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

Note: Do not allow product to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6. Endocrine disrupting properties

The substances in the mixture don't have endocrine disrupting properties.

12.7. Other adverse effects

None.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Not classified as harmful to aquatic organisms. Not classified as harmful to birds. Not allowed to dispose of empty containers or waste into the environment. Dispose of according to the local legislation. Empty containers should be returned to the supplier.

Waste code of packages:	15 01 02	plastic packaging
	15 01 10*	packaging containing residues of or contaminated by hazardous substances

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SECTION 14: Transport Information

14.1. UN Number or ID number

None.

14.2. UN Proper Shipping Name

None.

14.3. Transport hazard class(es)

None.

14.4. Packing Group

None.

14.5. Environmental hazards

None.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

None.

The product is not covered by the international regulation on the transport of dangerous goods (IMDG/ IATA, ADR/RID) and therefore no classification is required. No special precautions are needed apart from those mentioned under Heading 8.

SECTION 15: Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010/EC, Regulation (EC) No 1272/2008 [CLP] and Regulation (EC) No. 2020/878.

15.2. Chemical Safety Assessment

Chemical Safety Assessment not required.

SECTION 16: Other Information

WATEX INH12 - For industrial use only.

WATEX INH12 safety data sheets and technical information developed by the manufacturer.

Full text of H-Statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Abbreviations:

CAS Chemical Abstracts Service

EINECS European Inventory of Existing Chemical Substances

GHS Globally Harmonised System of Classification and Labelling of Chemicals

CLP Classification, labelling and packaging of substances and mixtures

LD50 Lethal Concentration

LC50 Median lethal dose

EC50 Median effective concentration

UN United Nations number

ATE Acute toxicity estimate

DNEL Derived no effect level

PNEC Predicted non-effect concentration

PBT Persistent, bioaccumulative and toxic

vPvB Very persistent and very bioaccumulative

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Product WATEX INH12 Label

Eye Irritation, Category 2

Pictogram:



Signal Word: Warning.

Hazardous substances in the mixture: None.

Hazard Statement:

H319 Causes serious eye irritation.

Precautionary Statements:

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337 + P313 If eye irritation persists get medical advice/attention.

The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his own activities. Safety data sheet available for professional user on request.