

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product name: PreTect X WASH BUFFER 2

Part number:

Name	Product codes
PreTect X WASH BUFFER 2	111001, 111002, 111004

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

Product for *In Vitro* diagnostic use.

1.3 Details of the supplier of the safety data sheet

Manufacturer: PreTect AS
Ustadhagan 8
N-3490 Klokkarstua
NORWAY

Telephone: + 47 32 79 88 00

E-mail address: pretect@pretect.no

1.4 Emergency telephone number

Giftinformasjonssentralen + 47 22 59 13 00 or Call a POISON CENTRE or doctor/physician

Section 2: Hazards Identification

2.1 Classification of substance or mixture

Product description: *In vitro* diagnostic reagent, Clear; Liquid;

Classification according to EC 1272/2008 (CLP/GHS):

Physical hazards Flammable liquid, Category 2, H225

Health hazards Eye irritation, Category 2, H319

2.2 Label Elements According to EC 1272/2008 (CLP/GHS) US-OSHA and UN GHS

Hazardous Ingredients: Ethanol



Pictogram:

Signal Word: Danger

Hazard Statements: H225 – Highly flammable liquid and vapour.
H319- Causes serious eye irritation

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Precautionary Statements:

- P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P280- Wear protective gloves/protective clothing/eye protection/face protection.
- P305 + P351 + P338- 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.
- P403 -Store in a well-ventilated place.

2.3 Other Hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

See 'Section 11: Toxicological Information' for more detailed health information.

Section 3: Composition and Information on Ingredients

3.2 Mixtures

Hazardous Ingredients	CAS no.	% by weight in <i>End Product</i>	Hazard Classification of <i>Pure Ingredients</i> EU 1272/2008 CLP/GHS
Ethanol	64-17-5	50-70	Flam. Liq. 2; H225

Section 4 First Aid Measures

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occurs, obtain medical attention.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical attention.

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Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Refer to Section 3 for composition and Section 11 for more detailed health information.

4.3 Indication of any immediate medical attention and special treatment needed

No specific medical attention or treatment required.

Section 5: Fire Fighting Measures

5.1 Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Additional information

Use water spray to cool unopened containers

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Dispose of contents/container in accordance with local regulations

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13)

6.4 Reference to other sections

Refer sections 8 and 13.

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Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition -No smoking. Take measures to prevent the buildup of electrostatic charge.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and well-ventilated area. Do not use past expiration date stated on the label. Storage class (TRGS 510): Flammable liquids

7.3 Specific end uses

No further relevant information available.

Section 8: Exposure Controls and Personal Protection

8.1 Control parameters

Exposure Limits

Hazardous Ingredients	CAS no.	Occupational exposure limits EU directive 2000/39/EC
Ethanol	64-17-5	500 ppm 950 mg/m ³

8.2 Exposure controls

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Eye Protection Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.

Skin Protection: Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

Respiratory Protection: Under normal conditions, the use of this product should not require respiratory protection.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Form: Liquid
Colour: Clear, colourless
Odour: No data available

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Odour Threshold:	No data available
pH:	7
Melting point/freezing point:	Melting point/range: -114 °C -lit
Initial boiling point and boiling range:	78 °C-lit.
Flash point:	14,0 °C-closed cup
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	Upper explosion limit: 19 %(V) Lower explosion limit: 3,3 %(V)
Vapour pressure:	59,5 hPa at 20,0 °C
Vapour density:	no data available
Relative density:	0,789 g/cm ³ at 25 °C
Water solubility:	completely soluble
Partition coefficient octanol/water:	og Pow: -0,349 at 24 °C
Auto-ignition temperature:	363,0 °C
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidizing properties:	Not determined

9.2 Other Information

No further relevant information available.

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

The product is stable in accordance with recommended storage conditions as stated on product labelling.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Alkali metals, Oxidizing agents, Peroxides

10.6 Hazardous decomposition products

No decomposition products posing significant hazards would be expected from this product (an aqueous solution).

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Section 11: Toxicological Information

11.1 Information on toxicological effects

Toxicity Data for Hazardous Ingredients

Ingredient	CAS no.	Information for pure ingredient
Ethanol	64-17-5	LD50 Oral - Rat 7.060 mg/kg LC50 Inhalation - Rat 10 h 20000 ppm

Primary Routes of Exposure: Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.

Skin corrosion/irritation: Skin-Rabbit Result: No skin irritation-24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes-Rabbit Result: Moderate eye irritation

Respiratory or skin sensitisation: No data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

Germ cell mutagenicity: No data available.

Reproductive Toxicity: No component of this product present at levels greater than or equal to 0.1% is identified as contributing to reproductive toxicity.

Specific target organ toxicity (single exposure): No data available

Specific target organ toxicity (repeated exposure): No data available.

Aspiration hazard: No data available.

Other Information: RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

12.1 Ecotoxicity

Ingredient	CAS no.	Information for pure ingredient
Ethanol	64-17-5	No data available

12.2 Persistence and degradability

Biodegradability Result : 95 %- Readily biodegradable

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12.3 Bioaccumulation

Due to the distribution coefficient n- octanol/water, accumulation in organisms is not expected

12.4 Mobility in soil

Not determined for the product.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

PBT: Not applicable

vPvB: Not applicable.

12.6 Other Adverse Effects

No data available

Section 13: Disposal Considerations

13.1 Waste treatment methods

Product Waste Disposal: Chemical residues and remains should be routinely handled as special waste. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

Package disposal: Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

Section 14: Transport Information

14.1 UN number

ADR/RID: 1170 IMDG:1170 IATA: 1170

14.2 UN proper shipping name

DR/RID: ETHANOL

IMDG: ETHANOL

IATA: Ethanol

14.3 Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packaging group

ADR/RID: II IMDG: II IATA: II

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14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

Section 15: Regulatory Information

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

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization: No ingredients listed.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

Hazard Class, hazard statements and risk phrase description from section 3

H225 – Highly flammable liquid and vapour.

H319- Causes serious eye irritation

Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - European Agreement Concerning The International Carriage Of Dangerous Goods By Road

CLP - Classification, Labeling and Packaging

EC50 – Environmental Lethal Concentration, 50%

GHS - Globally Harmonized System

IARC - Internal Agency for Research on Cancer

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IOELVs - European Unions' Indicative Occupational Exposure Limit Values

LC50 – Lethal Concentration, 50%

LD50 – Lethal Dose, 50%

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PBT - Persistent bioaccumulative and toxic substances

TDG - Canadian Transportation Of Dangerous Goods Regulations.

UN GHS - United Nations Globally Harmonized System

US DOT - United States Department of Transportation

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vPvB - Very persistent and very bioaccumulative substances

Disclaimer: PreTect AS cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.