



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ALK-02 WASH



Revision Date: 12/16/2024

### SECTION 1: Identification

#### 1.1 Product Identifier

Trade Name **ALK-02 WASH**  
 Product Number 88-00009

#### 1.2 Relevant Identified Uses

Relevant Identified Uses Alkaline/Oxygen Brewery Wash

#### 1.3 Details of the Supplier of the Safety Data Sheet

Triton  
 21365 Hamburg Ave  
 Lakeville, MN 55044  
 United States

Telephone: (952)-985-9993  
 e-mail: [communications@brewerychemicals.com](mailto:communications@brewerychemicals.com)  
 Website: <https://brewerychemicals.com>

#### 1.4 Emergency Telephone Number

Emergency Information Service ChemTrec 1-800-424-9300

### SECTION 2: Hazard(s) Identification

#### 2.1 Classification of the Substance

Classification Acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Hazard Statement	Hazard Class	Category
H314	skin corrosion/irritation	1B
H318	serious eye damage/eye irritation	1
H373	specific target organ toxicity - repeated exposure	2

Employ good industrial hygiene practice

#### 2.2 Label Elements



Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal Word **DANGER**

#### - Hazard Statements

H314 Causes severe skin burns and eye damage.  
 H373 May cause damage to organs through prolonged or repeated exposure.

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### - Precautionary Statements

P260	Do not breathe dusts or mists.
P280	Wear eye protection/face protection.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

### 2.3 Other Hazards

#### Hazards Not Otherwise Classified

May be harmful if swallowed (GHS category 5: acutely toxic - oral).  
May be harmful if inhaled (GHS category 5: acutely toxic - inhalation).  
Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

#### Description of the Mixture

Name of Substance	CAS No	Wt%
Tetrasodium ethylenediaminetetraacetate	64-02-8	25 - < 50
Sodium carbonate	497-19-8	25 - < 50
Sodium percarbonate	15630-89-4	10 - < 25
Sodium metasilicate pentahydrate	6834-92-0	5 - < 10
Water	7732-18-5	5 - < 10

## SECTION 4: First-Aid Measures

### 4.1 Description of First-Aid Measures

#### General Notes

Do not leave affected person unattended. Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following Inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

#### Following Skin Contact

Rinse skin with water/shower.

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### Following Eye Contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

### Following Ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

## 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and effects are not known to date.

## SECTION 5: Fire-Fighting Measures

### 5.1 Extinguishing Media

Suitable Extinguishing Media

Water, Foam, Alcohol resistant foam, ABC-powder

### 5.2 Special Hazards Arising from the Substance or Mixture

Contact with metals may emit flammable hydrogen gas.

### 5.3 Fire-Fighting Measures

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

Remove persons to safety.

For Emergency Responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental Precautions

Do not empty into drains, surface water or soil. If the product has entered a water course, sewer or soil, inform the responsible authority.

### 6.3 Methods and Material for Containment and Cleaning Up

Advice on How to Contain a Spill

Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Advice on How to Clean Up a Spill

Ensure good ventilation and exhaustion. Place in appropriate containers for disposal.

### 6.4 Reference to Other Sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Measures to Prevent Fire as well as Aerosol and Dust Generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not

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dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

### Advice on General Occupational Hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

## 7.2 Conditions for Safe Storage, Including Any Incompatibilities

Managing of associated risks

- Explosive atmospheres
- Removal of dust deposits.

Ventilation Requirements

Use local and general ventilation.

Packaging Compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

Occupational Exposure Limit Values (Workplace Exposure Limits)											
Country	Name of Agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
US	particulate not otherwise regulated		REL							appx-D	NIOSH REL
US	particulates not otherwise classified (PNOC)		PEL		15					dust	29 CFR 1910.1000
US	particulates not otherwise classified (PNOC)		PEL	1,765						partml, dust	29 CFR 1910.1000
US	particulates not otherwise classified (PNOC)		PEL	529.5						partml, r, dust	29 CFR 1910.1000
US	particulates not otherwise classified (PNOC)		PEL		5					r	29 CFR 1910.1000
US	Particulates not otherwise regulated		PEL (CA)		10					dust	Cal/OSHA PEL
US	Particulates not otherwise regulated		PEL (CA)		5					r	Cal/OSHA PEL

#### Notation

appx-D see Appendix D - Substances with No Established RELs

Ceiling-C ceiling value is a limit value above which exposure should not occur

dust as dust

partml particles/ml

r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

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### Notation

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

## 8.2 Exposure Controls

### Appropriate Engineering Controls

General ventilation.

### Individual Protection Measures (Personal Protective Equipment)

#### Eye/Face Protection

Wear eye/face protection.

#### Skin Protection

##### - Hand Protection

Wear suitable gloves.

##### - Body Protection

Wear suitable protective clothing.

##### - Other Protection Measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory Protection

Particulate filter device (EN 143).

#### Environmental Exposure Controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

#### Appearance

Physical State	Solid
Color	White
Foam Color	Not Applicable
Fragrance	None

#### Other safety parameters

pH (value)	No Data Available
Melting Point/Freezing Point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash Point	
Evaporation rate	No Data Available
Flammability (solid, gas)	No Data Available
Vapor pressure	No Data Available

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Density	No Data Available
Solubility(ies)	
- Water solubility	Miscible in Any Proportion
Viscosity	
- Kinematic viscosity	Not Relevant
Oxidizing Properties	None
<b>9.2 Other Information</b>	There Is No Additional Information

### SECTION 10: Stability and Reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical Stability

See below "Conditions to avoid".

#### 10.3 Possibility of Hazardous Reactions

No known hazardous reactions.

#### 10.4 Conditions to Avoid

There are no specific conditions known which have to be avoided.

##### Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

#### 10.5 Incompatible Materials

Strong Oxidizers, Reducing Agents, Metals

#### 10.6 Hazardous Decomposition Products

Hazardous combustion products: see section 5.

### SECTION 11: Toxicological Information

#### 11.1 Information on Toxicological Effects

Test data are not available for the complete mixture.

##### Classification Procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### **Classification Acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

##### Acute Toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed or if inhaled.

##### Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Respiratory or Skin Sensitization

Shall not be classified as a respiratory or skin sensitizer.

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### Germ Cell Mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive Toxicity

Shall not be classified as a reproductive toxicant.

### Specific Target Organ Toxicity - Single Exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration Hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological Information

### 12.1 Toxicity

Harmful to aquatic life.

### 12.2 Persistence and Degradability

No Data Available.

### 12.3 Bioaccumulative Potential

No Data Available.

### 12.4 Mobility in Soil

No Data Available.

### 12.5 Other Adverse Effects

No Data Available.

## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment Methods

#### Sewage Disposal-Relevant Information

Do not empty into drains. Avoid release to the environment.

#### Waste Treatment of Containers/Packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport Information

### 14.1 UN Number, Proper Shipping Name, Class and Packing Group

#### Domestic Ground Non-Bulk Shipments

UN3262, CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (DISODIUM TRIOXOSILICATE PENTAHYDRATE)  
8, II

### 14.2 Special precautions for user

There Is No Additional Information.

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### Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Reportable quantity (RQ) of ALK-02 WASH

1,000,000,000 lbs (Ethylene oxide) (Propylene Oxide)

## SECTION 15: Regulatory Information

### 15.1 Safety, Health and Environmental Regulations Specific for the Product in Question

#### National Regulations (United States)

#### Toxic Substance Control Act (TSCA)

all ingredients are listed

#### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

##### Proposition 65 List of chemicals

Name of Substance	Name acc. to inventory	CAS No	Type of the toxicity	Date listed
1,4-dioxane	1,4-dioxane	123-91-1	cancer	12/31/1987
Ethylene oxide	ethylene oxide	75-21-8	cancer	06/30/1987
Ethylene oxide	ethylene oxide	75-21-8	female	02/26/1987
Ethylene oxide	ethylene oxide	75-21-8	developmental, male	08/06/2009
Propylene Oxide	propylene oxide	75-56-9	cancer	09/30/1988

#### Right to Know Hazardous Substance List

- Hazardous Substances List (MN-ERTK)

Name of Substance	CAS No	References	Remarks
Sodium percarbonate		A	dust

#### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

dust If the substance poses an airborne particulate exposure hazard, the substance is followed by the word "dust."

#### Industry or Sector Specific Available Guidance(s)

##### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating
Chronic	*
Health	3
Flammability	0
Physical hazard	0
Personal protection	-

##### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

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Category	Degree of hazard
Flammability	0
Health	3
Instability	0
Special hazard	

### National inventories

Country	Inventory	Status
US	TSCA	all ingredients are listed (ACTIVE)

#### Legend

TSCA Toxic Substance Control Act

### SECTION 16: Other Information, Including Date of Preparation or Last Revision

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

#### Classification Procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Disclaimer

This information is based on the present state of our knowledge and does not constitute an assurance of product properties nor establishes contract legal rights. All data about health and safety are only for information. They should therefore not be construed as specifications. This SDS has been compiled and is solely intended for this product.