



# Aldie (AFCO 5277)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 11/06/2024

Version: 1.2

## SECTION 1: IDENTIFICATION

### Product Identifier

Product Form: Mixture

Product Name: Aldie

Product Code: AFCO 5277

### Intended Use of the Product

Use of the Substance/Mixture: Slightly alkaline, low foaming degreaser designed for use in the beverage, dairy, and meat and poultry industries. For professional use only.

### Name, Address, and Telephone of the Responsible Party

#### Company

AFCO  
800 Development Avenue  
Chambersburg, PA 17201  
T: 800-345-1329

[www.afcocare.com](http://www.afcocare.com)

### Emergency Telephone Number

Emergency Number : 1-800-424-9300 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Aquatic Acute 3 H402  
Aquatic Chronic 3 H412

### Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)



#### Signal Word (GHS-US)

: Danger.

#### Hazard Statements (GHS-US)

: H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H402 - Harmful to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

#### Precautionary Statements (GHS-US)

: P264 - Wash hands, forearms, and exposed areas thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
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 or doctor/physician.  
P321 - Specific treatment (see Section 4).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P391 - Collect spillage.  
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

### Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory

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conditions.

**Unknown Acute Toxicity (GHS-US):** Not available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substances:** Not available, product is a mixture.

#### Mixture:

Name	Product identifier	% (w/w)	Classification (GHS-US)
Water	(CAS No) 7732-18-5	70 - 90	Not classified
Nonylphenol ethoxylates	(CAS No) 9016-45-9	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	(CAS No) 127087-87-0	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Pentasodium triphosphate	(CAS No) 7758-29-4	1 - 5	Not classified

Exact percentage composition of substances and/or ingredients may be withheld as a trade secret, in accordance with [29 CFR § 1910.1200 App E].

Full text of H-phrases: see section 16.

### SECTION 4: FIRST AID MEASURES

#### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

**General:** Causes skin irritation. Causes serious eye damage.

**Inhalation:** None under normal and intended conditions of use.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes serious eye damage.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

#### Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** None known.

#### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>).

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**Reference to Other Sections:** Refer to section 9 for flammability properties.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**General Measures:** Avoid all contact with skin, eyes, or clothing. Do not breathe vapor, mist, or spray.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

#### Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

**Reference to Other Sections:** See Heading 8. Exposure controls and personal protection.

### SECTION 7: HANDLING AND STORAGE

#### Precautions for Safe Handling

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely low temperatures and incompatible materials.

**Incompatible Materials:** Strong oxidizers.

**Special Rules on Packaging:** None known.

**Specific End Use(s):** Slightly alkaline, low foaming degreaser designed for use in the beverage, dairy, and meat and poultry industries. For professional use only.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

#### Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. If user operations generate fumes, vapor, spray, or mist use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** A respirator is not needed under normal and intended conditions of product use.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Milky-White
Odor	: Mild
Odor Threshold	: Not available
pH	: 9 - 10
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 100°C (212°F)
Flash Point	: None
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not flammable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: 1.01
Solubility	: Water: Complete
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** None known.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Extremely low temperatures. Incompatible materials.

**Incompatible Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified.

**LD50 and LC50 Data:** Not available.

**Skin Corrosion/Irritation:** Causes skin irritation. (pH: 9 - 10)

**Serious Eye Damage/Irritation:** Causes serious eye damage. (pH: 9 - 10)

**Respiratory or Skin Sensitization:** Not classified.

**Germ Cell Mutagenicity:** Not classified.

**Teratogenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** None under normal and intended conditions of use.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

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**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### **Information on Toxicological Effects - Ingredient(s)**

#### **LD50 and LC50 Data:**

<b>Pentasodium triphosphate (7758-29-4)</b>	
LD50 Oral Rat	3100 mg/kg
LD50 Dermal Rabbit	>7940 mg/kg
<b>Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)</b>	
LD50 Oral Rat	1310 mg/kg
<b>Nonylphenol ethoxylates (9016-45-9)</b>	
LD50 Oral Rat	2590 mg/kg
LD50 Dermal Rabbit	1780 µl/kg

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Toxicity**

**Ecology - General:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Ecology - Water:** Harmful to aquatic life with long lasting effects.

**Persistence and Degradability:** Not available.

**Bioaccumulative Potential:** None Known.

**Mobility in Soil:** Not available.

### **Other Adverse Effects**

**Other Information:** Avoid release to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## **SECTION 14: TRANSPORT INFORMATION**

**14.1 In Accordance with DOT** : Not regulated for transport.

**14.2 In Accordance with IMDG** : Not regulated for transport.

**14.3 In Accordance with IATA** : Not regulated for transport.

**14.4 In Accordance with TDG** : Not regulated for transport.

## **SECTION 15: REGULATORY INFORMATION**

### **US Federal Regulations**

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<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard.
<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
<b>Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
<b>Nonylphenol ethoxylates (9016-45-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
<b>Pentasodium triphosphate (7758-29-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	

### **US State Regulations**

<b>Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>Nonylphenol ethoxylates (9016-45-9)</b>	
U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups	

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U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

### **Pentasodium triphosphate (7758-29-4)**

U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

RTK - U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

### **Canadian Regulations**

#### **Water (7732-18-5)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### **Pentasodium triphosphate (7758-29-4)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### **Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### **Nonylphenol ethoxylates (9016-45-9)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by those regulations.

## **SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision date** : 11/06/2024

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

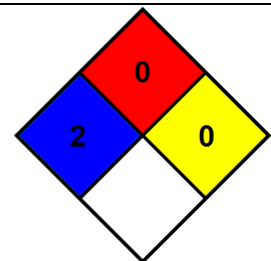
### **GHS Full Text Phrases:**

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4.
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3.
Eye Dam. 1	Serious eye damage/eye irritation Category 1.
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A.
Skin Irrit. 2	Skin corrosion/irritation Category 2.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**NFPA Health Hazard** : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

**NFPA Fire Hazard** : 0 - Materials that will not burn.

**NFPA Reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### **HMIS III Rating**

**Health** : 2 Moderate Hazard - Temporary or minor injury may occur.

**Flammability** : 0 - Minimal Hazard.

**Physical** : 0 - Minimal Hazard.

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### Party Responsible for the Preparation of This Document

AFCO  
800 Development Avenue  
Chambersburg, PA 17201  
T: 800-345-1329

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS SDS 2015 (U.S., Can., Mex.)