



AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

Revision Date: 05/02/2023

Version: 1.2

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier

Product Form: Mixture

Product Name: AFCO 9303 Non Ox

Product Code: AFCO 9303

Intended Use of the Product

Use of the Substance/Mixture: Micro-biocide for use in water treatment. For professional use only.

Name, Address, and Telephone of the Responsible Party

Company

AFCO

550 Development Avenue

Chambersburg, PA 17201

T: 800-345-1329

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 Corr. 1 H314

Eye Dam. 1 H318

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

Precautionary Statements (GHS-US)

: P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position 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.
P363-Wash contaminated clothing before reuse.
P405- Store locked up.
P501- Dispose of contents/container to an approved waste disposal plant.

Other Hazards

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

Unknown Acute Toxicity (GHS-US) Not available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Mixture

AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

| Name | Product identifier | % (w/w) |
|---------------------------------------|---------------------|---------|
| Water | (CAS No) 7732-18-5 | 96.03 |
| 5-Chloro-2-methyl-2H-isothiazol-3-one | (CAS No) 26172-55-4 | 1.11 |
| 2-methyl-2H-isothiazol-3-one | (CAS No) 2682-20-4 | 0.39 |
| Magnesium nitrate | (CAS No) 10377-60-3 | 1.73 |
| Magnesium chloride | (CAS No) 7786-30-3 | 0.54 |
| Copper dinitrate | (CAS No) 3251-23-8 | 0.20 |

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: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists. If breathing is irregular or stopped, administer artificial respiration. Give oxygen.

Skin Contact: Remove contaminated clothing. Wash affected area immediately with plenty of soap and water. Obtain immediate medical attention.

Eye Contact: Rinse immediately with plenty of water for 15 minutes. Obtain immediate medical attention.

Ingestion: Rinse mouth and afterwards drink plenty of water. Do NOT induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes severe skin burns and eye damage.

Inhalation: None expected.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes serious eye damage.

Ingestion: May be harmful if swallowed.

Chronic Symptoms: Not available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

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

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry powder, water spray, foam.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Heating or fire can release toxic gases.

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, CO₂). Nitrogen oxides. Sulfur oxides. Hydrogen chloride gas.

Other information: Do not allow run-off from fire fighting to enter drains or water courses.

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 prolonged contact with eyes, skin and clothing.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection. Use respirator when performing operations involving potential exposure to vapor of the product.

Emergency Procedures: None.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with non-combustible absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Absorb and/or contain spill with non-combustible absorbents, then place in suitable container. Clean up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: When heated, material emits irritating fumes.

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 again 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 tightly closed when not in use. Keep/Store away from heat, direct sunlight, incompatible materials. Store at 1-54°C/33.8-129.2°F.

Incompatible Materials: Reducing agents, amines, bases, oxidizing agents.

Specific End Use(s)

Micro-biocide for use in water treatment. 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: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective goggles. Face shield. Rubber or plastic apron.



Materials for Protective Clothing: Rubber or plastic.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles, safety glasses, face shield.

Skin and Body Protection: Rubber or plastic apron.

Respiratory Protection: In case of vapor formation, use a respirator with an approved filter.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|--|-----------------|
| Physical State | : Liquid |
| Appearance | : Light green |
| Odor | : Pungent |
| Odor Threshold | : Not available |
| pH | : 2.0-4.0 |
| Relative Evaporation Rate (butylacetate=1) | : Not available |

AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

| | |
|---|----------------------|
| Melting Point | : 27°F (2.8°C) |
| Freezing Point | : Not available |
| Boiling Point | : 212°F (100°C) |
| Flash Point | : Not available |
| Auto-ignition Temperature | : Not available |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : Not available |
| Upper Flammable Limit | : Not available |
| Vapor Pressure | : 0.1 hPa (0.1 mmHg) |
| Relative Vapor Density at 20°C | : Not available |
| Specific Gravity | : 1.02 |
| Solubility | : Complete |
| Log Pow | : Not available |
| Log Kow | : Not available |
| Viscosity, Kinematic | : Not available |
| Viscosity, Dynamic | : 3 mPa-s (25°C) |
| Explosion Data – Sensitivity to Mechanical Impact | : Not available |
| Explosion Data – Sensitivity to Static Discharge | : Not available |

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Extremely high or low temperatures. Incompatible materials.

Incompatible Materials: Reducing agents, amines, bases, oxidizing agents.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Nitrogen oxides. Sulfur oxides. Hydrogen chloride gas.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified.

LD50 and LC50 Data:

| AFCO 9303 Non Ox (AFCO 9303) | |
|------------------------------|-------------|
| LD50 Oral Rat | 2350 mg/kg |
| LD50 Dermal Rabbit | >2000 mg/kg |

Skin Corrosion/Irritation: Causes severe skin burns.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Teratogenicity: Not available.

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 expected.

Symptoms/Injuries After Skin Contact: Causes severe skin burns.

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

Symptoms/Injuries After Ingestion: May be harmful if swallowed.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data: Not available.

AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not classified.

Ecology - General: Not available.

| 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (mixture 3:1) | |
|--|---|
| LC50 Fish 1 | 0.19mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss (rainbow trout)) |
| LC50 Fish 2 | 0.28 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus (bluegill sunfish)) |
| EC50 Daphnia | 0.16 mg/l (Exposure time: 48 h - Species: Daphnia magna (Water flea)) |

Persistence and Degradability

| AFCO 9303 Non Ox (AFCO 9303) | |
|--|---------------------------|
| Persistence and Degradability | Not available. |
| 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (mixture 3:1) | |
| Persistence and Degradability | Not readily biodegradable |

Bioaccumulative Potential

| AFCO 9303 Non Ox (AFCO 9303) | |
|--|----------------|
| Bioaccumulative Potential | Not available. |
| 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (mixture 3:1) | |
| Bioaccumulative Potential | Not available. |

Mobility in Soil Not available.

Other Adverse Effects

Other Information: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-chloro-2-methyl-4-isothiazolin-3-one)
Hazard Class : 8
Identification Number : UN3265
Label Codes : 8
Packing Group : II
ERG Number : 153



14.2 In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-chloro-2-methyl-4-isothiazolin-3-one)
Hazard Class : 8
Identification Number : UN3265
Packing Group : II
Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
MFAG Number : 153



14.3 In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-chloro-2-methyl-4-isothiazolin-3-one)
Packing Group : II
Identification Number : UN3265
Hazard Class : 8
Label Codes : 8
ERG Code (IATA) : 8L



14.4 In Accordance with TDG

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-chloro-2-methyl-4-isothiazolin-3-one)

AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

Packing Group : II
Hazard Class : 8
Identification Number : UN3265
Label Codes : 8



SECTION 15: REGULATORY INFORMATION

US Federal Regulations

AFCO 9303 Non Ox (AFCO 9303)

SARA Section 311/312 Hazard Class Immediate (Acute) health hazard.

AFCO 9303 Non Ox (AFCO 9303)

All chemicals in this product comply with the United States TSCA (Toxic Substances Control Act) inventory reporting requirements.

US State Regulations

Magnesium nitrate (10377-60-3)

U.S. - New Jersey - Right to Know List

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

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

Canadian Regulations

Water (7732-18-5)

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

5-Chloro-2-methyl-2H-isothiazol-3-one (26172-55-4)

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

2-methyl-2H-isothiazol-3-one (2682-20-4)

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

Magnesium nitrate (10377-60-3)

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

Magnesium chloride (7786-30-3)

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

Copper dinitrate (3251-23-8)

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION

Revision date : 05/02/2023

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

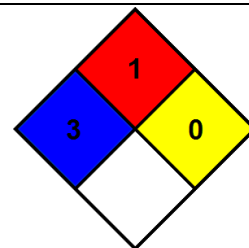
GHS Full Text Phrases:

| | |
|-------------|--|
| Eye Dam 1 | Serious eye damage/eye irritation Category 1 |
| Skin Corr 1 | Skin corrosion / irritation Category 1 |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes severe eye damage. |

NFPA Health Hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA Fire Hazard : 1 - Must be preheated before ignition can occur.

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



AFCO 9303 Non Ox (AFCO 9303)

Safety Data Sheet

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

HMIS III Rating

| | |
|---------------------|--|
| Health | : 3 Serious Hazard - Major injury is likely unless prompt action is taken, and medical treatment is given. |
| Flammability | : 1 - Slight Hazard. |
| Physical | : 0 - Minimal Hazard. |

Party Responsible for the Preparation of This Document

AFCO
550 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.)