



AFCO 3359 Sanitizer (AFCO 3359)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 03/21/2025

Version: 1.1

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: AFCO 3359 Sanitizer

Product Code: AFCO 3359

Synonyms: None

Intended Use of the Product

Use of the Substance/Mixture: Chlorine sanitizer for sanitizing hard, non-porous food contact surfaces. 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)

Acute Tox. 4 (Oral) H302
Eye Irrit. 2A H319
STOT SE 3 H335
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US)

: P261 - Avoid breathing dust, fumes.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/respiratory protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.

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P330 - If swallowed, rinse mouth.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: N/A.

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes.

Unknown Acute Toxicity (GHS-US) Not available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

| Name | Product identifier | % (w/w) | Classification (GHS-US) |
|---------------------------------------|---------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Sodium sulfate | (CAS No) 7757-82-6 | 60 - 70 | Not classified |
| Sodium dichloroisocyanurate dihydrate | (CAS No) 51580-86-0 | 20 - 30 | Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Pentasodium triphosphate | (CAS No) 7758-29-4 | 5 - 10 | Not classified |

The exact percentage of composition are withheld as a trade secret [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: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention.

Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. Wash contaminated clothing before reuse.

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

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: Harmful if swallowed. Causes eye irritation. May cause respiratory irritation. Causes serious eye irritation.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: Causes eye irritation.

Ingestion: Harmful if swallowed. Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Not available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide, foam, dry chemical.

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

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Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: When heated to decomposition, emits toxic fumes. Contains an oxidizing material which may accelerate fire.

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). Toxic fumes are released. Sulfur oxides. Sodium oxides. Phosgene. Phosphorus oxides. Chlorine.

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: Do not allow product to spread into the environment. Do NOT breathe (dust, fumes). Do not get in eyes, on skin, or on clothing.

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. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Contact competent authorities after a spill. Recover the product by vacuuming, shovelling or sweeping. Cautiously neutralize remainder. Avoid generation of dust during clean-up of spills.

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 to decomposition, emits toxic 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. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

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 high temperatures, direct sunlight, heat, ignition sources, incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Nitrogen compounds. Ammonia.

Special Rules on Packaging: Keep only in original container.

Specific End Use(s): Chlorine sanitizer for sanitizing hard, non-porous food contact surfaces. 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. Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Alarm detectors should be used when toxic gases may be released.

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Personal Protective Equipment: Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection. Gloves. Face shield.



Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosionproof clothing.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

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 | : Solid |
| Appearance | : White powder |
| Odor | : Chlorine |
| Odor Threshold | : Not available |
| pH | : 8 (0.5%) |
| Relative Evaporation Rate (butylacetate=1) | : Not available |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : Not available |
| 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 |
| Specific Gravity | : Not available |
| Solubility | : 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: When heated to decomposition, emits toxic fumes. Contains an oxidizing material which may accelerate fire.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high temperatures. Heat. combustible materials. Incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Nitrogen compounds. Ammonia.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Thermal decomposition generates: Toxic gases. Sodium oxides. sulfur oxides. Phosphorus oxides. Phosgene. Chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Harmful if swallowed.

LD50 and LC50 Data:

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| ATE US (oral) | 1960.78 mg/kg body weight |

Skin Corrosion/Irritation: Not classified **pH:** 8 (0.5%)

Serious Eye Damage/Irritation: Causes serious eye irritation. **pH:** 8 (0.5%)

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): May cause respiratory irritation.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes eye irritation.

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

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| Pentasodium triphosphate (7758-29-4) | |
|----------------------------------------------------|--------------------------|
| LD50 Oral Rat | 3100 mg/kg |
| LD50 Dermal Rabbit | >7940 mg/kg |
| Sodium sulfate (7757-82-6) | |
| LD50 Oral Rat | >10000 mg/kg |
| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
| ATE US (oral) | 500.00 mg/kg body weight |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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

| Sodium sulfate (7757-82-6) | |
|----------------------------|---------------------------------------------------------------------------|
| LC50 Fish 1 | 13500 - 14500 mg/l (Exposure time: 96 h - Species: Pimephales promelas) |
| EC50 Daphnia 1 | 2564 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | > 6800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |

Persistence and Degradability

| AFCO 3359 Sanitizer (AFCO 3359) | |
|---------------------------------|---------------------------------------------------------|
| Persistence and Degradability | May cause long-term adverse effects in the environment. |

Bioaccumulative Potential

| AFCO 3359 Sanitizer (AFCO 3359) | |
|---------------------------------|------------------|
| Bioaccumulative Potential | Not established. |

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, provincial, territorial and international regulations.

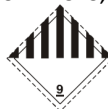
SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (Sodium dichloroisocyanurate dihydrate)

Hazard Class : 9

Identification Number : UN3077



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Label Codes : 9
Packing Group : III
Marine Pollutant : Yes
ERG Number : 171

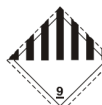
14.2 In Accordance with IMDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium dichloroisocyanurate dihydrate)
Hazard Class : 9
Identification Number : UN3077
Packing Group : III
Label Codes : 9
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Marine pollutant : Yes



14.3 In Accordance with IATA

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium dichloroisocyanurate dihydrate)
Packing Group : III
Identification Number : UN3077
Hazard Class : 9
Label Codes : 9
ERG Code (IATA) : 9L



14.4 In Accordance with TDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium dichloroisocyanurate dihydrate)
Packing Group : III
Hazard Class : 9
Identification Number : UN3077
Label Codes : 9
Marine Pollutant (TDG) : Yes



***Note:** AF3359T (CS12-5LB) is allowed to ship as Limited Quantity.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

| | |
|----------------------------------------------------------------------------|----------------------------------|
| AFCO 3359 Sanitizer (AFCO 3359) | |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard. |
| Pentasodium triphosphate (7758-29-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory. | |
| Sodium sulfate (7757-82-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory. | |

US State Regulations

| | |
|---------------------------------------------------------------------------------|--|
| 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 | |
| Sodium sulfate (7757-82-6) | |
| RTK – U.S. – Pennsylvania – RTK (Right to Know) – Environmental Hazard List | |
| RTK – U.S. – Pennsylvania – RTK (Right to Know) List | |

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| |
|-----------------------------------------------------------|
| U.S. – Texas – Effects Screening Levels – Long Term |
| U.S. – Texas – Effects Screening Levels – Short Term |
| Sodium dichloroisocyanurate dihydrate (51580-86-0) |
| RTK – U.S. – Pennsylvania – RTK (Right to Know) List |

Canadian Regulations

| |
|------------------------------------------------------------------|
| Pentasodium triphosphate (7758-29-4) |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |
| Sodium sulfate (7757-82-6) |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |
| Sodium dichloroisocyanurate dihydrate (51580-86-0) |
| 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 SDS contains all of the information required by CPR.

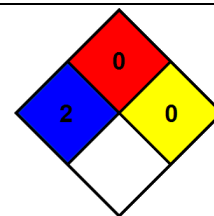
SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Revision date | : 03/21/2025 |
| 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 Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Ox. Sol. 2 | Oxidizing solids Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H272 | May intensify fire; oxidizer |
| H302 | Harmful if swallowed |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic 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. |

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.