AFCO FTN (AFCO 2551)

Safety Data Sheet

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

Revision Date: 02/28/2025 Version: 1.1

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

Product Identifier

Product Form: Mixture

Product Name: AFCO FTN

Product Code: AFCO 2551

Intended Use of the Product

Use of the Substance/Mixture: Powdered floor cleaner/deodorizer for all food industries. Can also be used as an all-purpose cleaner and destainer on food processing equipment, floors, walls, and other hard, nonporous surfaces in meat and poultry processing plants, dairies, breweries, and bakeries. 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

Emergency Telephone Number

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

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Ox. Sol. 2	H272
Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Chronic 3	H412

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GHS03 GHS05 GHS07

Signal Word (GHS-US) : Danger.

Hazard Statements (GHS-US) : H272 - May intensify fire; oxidizer
H315 - Causes skin irritation
H318 - Causes serious eye damage
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US) : P210 - Keep away from heat, sparks, open flames, hot surfaces, combustible materials. - No smoking.
P220 - Keep/Store away from combustible materials, organic materials, incompatible materials.
P221 - Take any precaution to avoid mixing with combustibles, organic materials, incompatible materials.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
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.
P370+P378 - In case of fire: Use appropriate media for extinction.
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 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)
Sodium percarbonate	(CAS No) 15630-89-4	40-50	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium carbonate	(CAS No) 497-19-8	40-50	Eye Irrit. 2A, H319
Pentasodium triphosphate	(CAS No) 7758-29-4	1-5	Not classified
Sodium metasilicate	(CAS No) 6834-92-0	1-5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Nonylphenol ethoxylates	(CAS No) 9016-45-9	0.1-1.0	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411

The exact percentage of composition are withheld as a trade secret [29 CFR 1910.1200].
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. Immediately call a POISON CENTER or doctor/physician.

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

Eye Contact: Rinse cautiously with water for several 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 serious eye damage. Skin irritation. Contact may cause immediate severe irritation progressing quickly to chemical burns.

Inhalation: None under normal and intended conditions of use.

Skin Contact: Causes severe irritation. Prolonged skin contact may result in severe irritation leading to chemical burns.

Eye Contact: Causes serious eye damage.

Ingestion: 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: FIREFIGHTING 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.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Oxygen released during thermal decomposition may burst sealed containers and may support combustion of combustible materials such as paper, cloth, wood, etc. Damp product in contact with paper, wood, cloth etc. may cause spontaneous combustion of the organic material. Contact of product with flammables may cause fire or explosion.

Explosion Hazard: May cause fire; strong oxidizer.

Reactivity: Thermal decomposition generates oxygen which may cause or intensify 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: May liberate toxic gases. Sodium oxides. Phosphorus oxides. Silicon oxides. Carbon oxides (CO, CO_2).

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). Avoid all contact with skin, eyes, or 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: Sweep or vacuum the product to recover it. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Keep spilled product away from incompatible materials. Workers involved in clean-up should wear protective clothing and self-contained breathing apparatus. Sweep up and shovel into suitable containers such as plastic or fiber drums lined with clean dry plastic bags for disposal. Do not return to original container. Do not flush to open bodies of water such as streams, lakes or ponds. Flush spill area with large quantities of water.

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: May cause or intensify fire; oxidizer.

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 no 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: **KEEP PRODUCT DRY!** Keep container closed when not in use. Store in a cool, dry ventilated area in the original shipping container. Containers should be kept well sealed to avoid penetration of moisture or dirt. Keep away from direct sunlight and excessive heat (>130°F/54.4°C).

Incompatible Materials: Strong acids. Strong bases. Organic materials. Combustible materials.

Special Rules on Packaging: Keep only in original container.

Specific End Use(s): Powdered floor cleaner/deodorizer for all food industries. Can also be used as an all-purpose cleaner and destainer on food processing equipment, floors, walls, and other hard, nonporous surfaces in meat and poultry processing plants, dairies, breweries, and bakeries.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

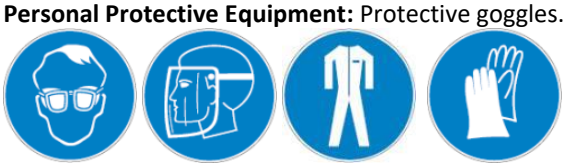
Control Parameters

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. If user operations generate dust, fumes, vapors, gas, or spray use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or regulatory limits.

Personal Protective Equipment: Protective goggles. Face shield. Protective clothing. Gloves.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or face shield.

Skin and Body Protection: Wear suitable protective clothing.

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

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	:	Light blue powder
Odor	:	Mild, low
Odor Threshold	:	Not available
pH	:	10.7 (1%)
Relative Evaporation Rate (butylacetate=1)	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	Not available
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	:	Not available
Relative Vapor Density at 20°C	:	Not available
Specific Gravity	:	Not available
Solubility	:	Complete.

Log Pow	:	Not available
Log Kow	:	Not available
Viscosity, Kinematic	:	Not available
Viscosity, Dynamic	:	Not available
Explosion Data – Sensitivity to Mechanical Impact	:	Not available
Explosion Data – Sensitivity to Static Discharge	:	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: May cause or intensify fire; oxidizer.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Moisture. Excessive heat (>130°F/54.4°C). Direct sunlight.

Incompatible Materials: Acids, reducing agents, organic materials, flammable or combustible materials. Metallic ions (iron, copper, etc.) may cause catalytic decomposition.

Hazardous Decomposition Products: Oxygen. Carbon oxides (CO, CO_2). Thermal decomposition generates: Toxic gases. Phosphorus oxides. Sodium oxides. Silicon oxides.

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:** 10.7 (1%)

Serious Eye Damage/Irritation: Causes serious eye damage. **pH:** 10.7 (1%)

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 under normal and intended conditions of use.

Symptoms/Injuries After Skin Contact: Causes severe irritation. Prolonged skin contact may result in severe irritation leading to chemical burns.

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

Symptoms/Injuries After Ingestion: 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

Nonylphenol ethoxylates (9016-45-9)	
LD50 Oral Rat	2590 mg/kg
LD50 Dermal Rabbit	1780 µl/kg
ATE (dermal)	2000.000 mg/kg body weight

Sodium metasilicate (6834-92-0)	
LD50 Oral Rat	1153 mg/kg

Sodium carbonate (497-19-8)	
LD50 Oral Rat	4090 mg/kg
LC50 Inhalation Rat (mg/l)	2300 mg/m³ (Exposure time: 2 h)

Sodium percarbonate (15630-89-4)	
LD50 Oral Rat	1034 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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

Sodium metasilicate (6834-92-0)	
LC50 Fish 1	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 Fish 2	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

Sodium carbonate (497-19-8)	
LC50 Fish 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	310 - 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Sodium percarbonate (15630-89-4)	
LC50 Fish 1	70.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	4.9 mg/l (Exposure time: 48 h - Species: Daphnia pulex)

Persistence and Degradability

AFCO FTN (AFCO 2551)	
Persistence and Degradability	May cause long-term adverse effects in the environment.

Bioaccumulative Potential

AFCO FTN (AFCO 2551)	
Bioaccumulative Potential	Not established.

Sodium carbonate (497-19-8)	
BCF fish 1	(no bioaccumulation)

Sodium percarbonate (15630-89-4)	
BCF fish 1	(no bioaccumulation)

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.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : OXIDIZING SOLID, N.O.S., (sodium carbonate peroxyhydrate)

Hazard Class : 5.1

Identification Number : UN1479

Label Codes : 5.1

Packing Group : III

ERG Number : 140

14.2 In Accordance with IMDG

Proper Shipping Name : OXIDIZING SOLID, N.O.S., (sodium carbonate peroxyhydrate)

Hazard Class : 5.1

Identification Number : UN1479

Packing Group : III

Label Codes : 5.1

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-Q

14.3 In Accordance with IATA

Proper Shipping Name : OXIDIZING SOLID, N.O.S., (sodium carbonate peroxyhydrate)

Packing Group : III

Identification Number : UN1479

Hazard Class : 5

Label Codes : 5.1

ERG Code (IATA) : 5L

14.4 In Accordance with TDG

Proper Shipping Name : OXIDIZING SOLID, N.O.S., (sodium carbonate peroxyhydrate)

Packing Group : III

Hazard Class : 5.1

Identification Number : UN1479

Label Codes : 5.1

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

AFCO FTN (AFCO 2551)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard. Delayed (chronic) health hazard.

Pentasodium triphosphate (7758-29-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Nonylphenol ethoxylates (9016-45-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Sodium metasilicate (6834-92-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Sodium carbonate (497-19-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Sodium percarbonate (15630-89-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

US State Regulations

Pentasodium triphosphate (7758-29-4)
U.S. - Louisiana - Reportable Quantity List for Pollutants U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

Nonylphenol ethoxylates (9016-45-9)
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

Sodium metasilicate (6834-92-0)
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

Sodium carbonate (497-19-8)
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

Pentasodium triphosphate (7758-29-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Nonylphenol ethoxylates (9016-45-9)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Sodium metasilicate (6834-92-0)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Sodium carbonate (497-19-8)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Sodium percarbonate (15630-89-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.

SECTION 16: OTHER INFORMATION

Revision date : 02/28/2025

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

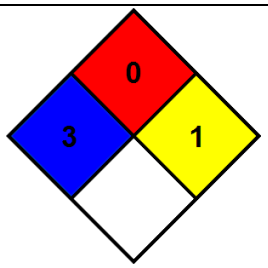
GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic 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
Met. Corr. 1	Corrosive to metals Category 1
Ox. Sol. 2	Oxidizing solids Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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

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

NFPA Reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

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

Party Responsible for the Preparation of This Document

AFCO
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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.)