

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture
Product Name: Floor Boss
Product Code: AFCO 3571

Intended Use of the Product

Use of the Substance/Mixture: Quat-based treatment for floors, and floor drains in food plants. 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

Skin Irrit. 2 H315
 Eye Dam. 1 H318

Label Elements

Hazard Pictograms



Signal Word

: Danger.

Hazard Statements

: H315 - Causes skin irritation
 H318 - Causes serious eye damage

Precautionary Statements

: P234 - Keep only in original container.
 P260 - Do not breathe vapors, mist, spray.
 P280 - Wear protective glove, 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.

Floor Boss (AFCO 3571)

Safety Data Sheet

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Not applicable, product is a mixture.

Mixture:

Name	Product identifier	% (w/w)	Classification (GHS)
Urea	(CAS No) 57-13-6	70-90	Not classified
Sodium bisulfate	(CAS No) 7681-38-1	1-5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Alkyl dimethyl benzyl ammonium chloride (C12-18)	(CAS No) 68391-01-5	1-5	Acute Tox. 4, (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1 H318 Aquatic Acute 1, H400 Aquatic Chronic 1, 410
Biuret	(CAS No) 108-19-0	1-5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Eye Irrit. 2B, H320 STOT SE 3, H335

The exact percentage (concentration) of the composition and/or ingredients has been withheld as a trade secret, in accordance with 29 CFR § [1910.1200\(i\)](#).

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 if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Protect unharmed eye. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

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

Most Important Symptoms and Effects Both Acute and Delayed

Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time). Causes serious eye damage. Causes skin irritation.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. Treat symptomatically. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, 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: Not flammable.

Explosion Hazard: Product is not explosive.

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). Sulfur oxides (SO_x). Nitrogen oxides (NO_x). Chlorine compounds.

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

Floor Boss (AFCO 3571)

Safety Data Sheet

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. Avoid generating dust.

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. Prevent further leakage or spillage if safe to do so.

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 cleanup of spills.

Methods for Cleaning Up: Neutralize with chalk, alkali solution or ammonia. Keep in suitable, closed containers for disposal. Avoid generation of dust during clean-up of spills. Inform respective authorities after spill.

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: Avoid formation of respirable particles. Do not breathe vapours/dust.

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 tightly closed when not in use. Keep/Store away from extremely high or low temperatures, incompatible materials.

Incompatible Materials: Oxidizing agents.

Specific End Use(s): Floors and floor drains. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Urea (57-13-6)		
USA WEEL	WEEL TWA (mg/m ³)	10 mg/m ³

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.

Personal Protective Equipment: Protective goggles. Faceshield with Protective goggles/glasses. Protective clothing for abnormal processing problems. Gloves.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles & face shield.

Floor Boss (AFCO 3571)

Safety Data Sheet

Skin and Body Protection: Choose body protection according to amounts and concentration of dangerous substances at the work place.

Respiratory Protection: No personal respiratory protective equipment normally required.

Other Information: When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Solid.
Appearance	: Light blue granular.
Odor	: Mild.
Odor Threshold	: Not available.
pH (1%)	: 2.5 – 3.5 (as aqueous solution)
Relative Evaporation Rate (butylacetate=1)	: Not available.
Melting Point	: Not available.
Freezing Point	: Not available.
Boiling Point	: 105°C (221°F)
Flash Point	: None to boiling.
Auto-ignition Temperature	: Not determined.
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	: 1.06
Solubility	: Soluble partly in water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Not available.
Explosion Data – Sensitivity to Mechanical Impact	: Not available.
Explosion Data – Sensitivity to Static Discharge	: Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Exposure to moisture. Incompatible materials.

Incompatible Materials: Oxidizing agents.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Unburned hydrocarbons (smoke). Sulfur oxides (SO_x). Nitrogen oxides (NO_x).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified.

LD50 and LC50 Data: Not available.

Skin Corrosion/Irritation: Irritating to skin.

Serious Eye Damage/Irritation: May cause irreversible eye damage.

Respiratory or Skin Sensitization: No data available.

Germ Cell Mutagenicity: No data available.

Teratogenicity: No data available.

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Floor Boss (AFCO 3571)

Safety Data Sheet

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Specific Target Organ Toxicity (Repeated Exposure): No data available.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity (Single Exposure): No data available.

Aspiration Hazard: No data available.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

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

Symptoms/Injuries After Eye Contact: May cause eye irritation.

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

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data: LD50 and LC50 Data:

Urea (57-13-6)	
LD50 Oral Rat	8741 mg/kg
Sodium bisulfate (7681-38-1)	
LD50 Oral Rat	2800 mg/kg
Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)	
LC50 Oral Rat (mg/l)	>250 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not classified.

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

Urea (57-13-6)	
LC50 Fish 1	301-478 mg/l (Exposure time: 96 h- Species: Lepomis Macrochirus)
EC50 Daphnia	3910 mg/l (Exposure time: 48h- Species: Daphnia magna)
Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)	
LC50 Algae	0.032mg/l (Exposure time: 96 h)
EC50 Daphnia 1	0.0029 - 0.008 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish	0.43 mg/l (Exposure time: 96h)

Persistence and Degradability

Floor Boss (AFCO 3571)	
Persistence and Degradability	Not established.

Bioaccumulative Potential

Floor Boss (AFCO 3571)	
Bioaccumulative Potential	Not established.

Mobility in Soil No data 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 : Not regulated for transport.

14.2 In Accordance with IMDG : Not regulated for transport.

14.3 In Accordance with IATA : Not regulated for transport.

Floor Boss (AFCO 3571)

Safety Data Sheet

14.4 In Accordance with TDG : Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Floor Boss (AFCO 3571)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard.
Urea (57-13-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
Sodium bisulfate (7681-38-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
Biuret (108-19-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	

US State Regulations

Urea (57-13-6)	
RTK - U.S. - Pennsylvania - RTK (Right to Know) List	
RTK - U.S. - New Jersey - RTK (Right to Know) List	
Sodium bisulfate (7681-38-1)	
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List	
RTK - U.S. - Pennsylvania - RTK (Right to Know) List	

Canadian Regulations

Urea (57-13-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
Sodium bisulfate (7681-38-1)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
Biuret (108-19-0)	
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 : 07/07/2026
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 Dam. 1	Serious eye damage/eye irritation Category 1.
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B.
Skin Corr. 1B	Skin corrosion/irritation Category 1N.
Skin Irrit. 2	Skin corrosion/irritation Category 2.
STOT SE 3	Specific target organ toxicity single exposure Category 3.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

Floor Boss (AFCO 3571)

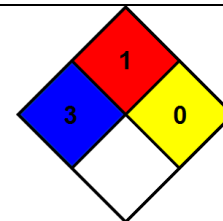
Safety Data Sheet

H318	Causes serious eye damage.
H320	Causes 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 : 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.



HMIS III Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken, and medical treatment is given.

Flammability : 1 - Slight Hazard.

Physical : 0 - Minimal Hazard.

Preparation by:

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 SDS GHS Rev. 7 (U.S., Can., Mex.)