



Ultraforce Green (AFCO 7011)

Safety Data Sheet

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

Revision Date: 10/25/2023

Version: 1.1

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

Product Identifier

Product Form: Mixture
Product Name: Ultraforce Green
Product Code: AFCO 7011

Intended Use of the Product

Use of the Substance/Mixture: Neutral certified "green" cleaner/degreaser for use in food processing 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

Classification (GHS-US)

Skin Irrit. 3 H316
Eye Dam. 1, H318

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger.

Hazard Statements (GHS-US)

: H316 - Causes mild skin irritation
H318 - Causes serious eye damage

Precautionary Statements (GHS-US)

: P280 - Wear eye protection/face protection.
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.
P332+P313 - If skin irritation occurs: Get medical attention advice.

Other Hazards

Other Hazards Not Contributing to the Classification: 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

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Water	(CAS No) 7732-18-5	80-90	Not classified
D-glucopyranose, oligomers, decyl octyl glycosides and D-glucopyranose, oligomers, C10-16 alkyl glycosides	(CAS No) 68515-73-1 & (CAS No) 110615-47-9	5-10	Eye Dam 1, H318 Aquatic Acute 2, H401

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Alcohols, C9-11, ethoxylated	(CAS No.) 68439-46-3	1-5	Eye Dam 1, H318
Alcohols, C10-16, ethoxylated	(CAS No.) 68002-97-1	1-5	Acute Tox 4 (Oral), H302 Skin Irrit 2, H315 Eye Dam 1, H318

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. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

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 and mild skin irritation.

Inhalation: Not classified.

Skin Contact: Contact may cause mild irritation

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: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Thermal decomposition generates: Carbon oxides (CO, CO₂).

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).

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 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: None.

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Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container for proper disposal.

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

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: None.

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. Wash contaminated clothing before reuse.

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, incompatible materials.

Incompatible Materials: Strong oxidizers.

Specific End Use(s): Neutral certified "green" cleaner/degreaser for use in food processing plants. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or any of 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.

Personal Protective Equipment: Protective goggles. Gloves.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles.

Skin and Body Protection: None usually needed.

Respiratory Protection: None usually needed.

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	:	Clear pale green
Odor	:	Mild
Odor Threshold	:	Not available
pH	:	7.5
Relative Evaporation Rate (butylacetate=1)	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	103°C (217°F)
Flash Point	:	None

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Auto-ignition Temperature	: None
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	: 1.03
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: Thermal decomposition generates: Carbon oxides (CO, CO₂).

Chemical Stability: Stable at standard temperature and pressure.

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, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified.

LD50 and LC50 Data: Not available.

Skin Corrosion/Irritation: Causes mild skin irritation. **pH:** 7.5

Serious Eye Damage/Irritation: Causes serious eye damage. **pH:** 7.5

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): Not classified.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: None.

Symptoms/Injuries After Skin Contact: Contact may cause mild irritation.

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:

Water (7732-18-5)	
LD50 Oral Rat	>90,000 mg/kg
Alcohols, C10-16, ethoxylated (68002-97-1)	
LD50 Oral Rat	>1,400 mg/kg
Alcohols, C9-11, ethoxylated (68439-46-3)	
LD50 Oral Rat	>2,000 mg/kg

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D-glucopyranose, oligomers, decyl octyl glycosides (68515-73-1) and D-glucopyranose, oligomers, C10-16 alkyl glycosides (110615-47-9)

LD50 Oral Rat >5,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not available.

Alcohols, C10-16, ethoxylated (68002-97-1)

LC50 Fish 1 mg/l (Exposure time 96h –Species:Pimephales promelas)

LC50 Daphnia 0.46 mg/l (Exposure time 48h –Species:Daphnia)

Alcohols, C9-11, ethoxylated (68439-46-3)

LC50 Fish 1-10 mg/l (Exposure time 96h –Species:Pimephales promelas)

EC50 Daphnia 1-10 mg/l (Exposure time 48h –Species:Daphnia)

D-glucopyranose, oligomers, decyl octyl glycosides (68515-73-1) and D-glucopyranose, oligomers, C10-16 alkyl glycosides (110615-47-9)

LC50 Fish 1-10 mg/l

Persistence and Degradability

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Persistence and Degradability Not established.

Alcohols, C10-16, ethoxylated (68002-97-1)

Persistence and Degradability Readily biodegradable, as defined by OECD, substance that degrades >60-70% within a 10 day window over 28 days.

Alcohols, C9-11, ethoxylated (68439-46-3)

Persistence and Degradability Readily biodegradable, as defined by OECD, substance that degrades >60-70% within a 10 day window over 28 days.

Bioaccumulative Potential

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Bioaccumulative Potential Not established.

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 : 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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SARA Section 311/312 Hazard Classes N/A.

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Alcohols, C10-16, ethoxylated (68002-97-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

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Alcohols, C9-11, ethoxylated (68439-46-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.
D-glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.
D-glucopyranose, oligomers, C10-16 alkyl glycosides (110615-47-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

US State Regulations: None.

Canadian Regulations

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Alcohols, C10-16, ethoxylated (68002-97-1)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Alcohols, C9-11, ethoxylated (68439-46-3)
Listed on the Canadian DSL (Domestic Substances List) inventory.
D-glucopyranose, oligomers, decyl octyl glycosides (68515-73-1) and D-glucopyranose, oligomers, C10-16 alkyl glycosides (110615-47-9)
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.

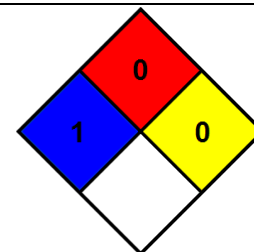
SECTION 16: OTHER INFORMATION

Revision date : 10/25/2023
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:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4.
Aquatic Acute 2	Hazardous to the aquatic environment – Acute Hazard Category 2.
Eye Dam. 1	Serious eye damage/eye irritation Category 1.
Skin Irrit. 2	Skin corrosion/irritation Category 2.
Skin Irrit. 3	Skin corrosion/irritation Category 3.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.

NFPA Health Hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment 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 : 1 Slight Hazard - Irritation or minor reversible injury possible.
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.)