X-203 (AFCO 5370)

Safety Data Sheet

Revision Date: 10/19/2026 Version: 2.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: X-203

Product Code: AFCO 5370

Intended Use of the Product

Use of the Substance/Mixture: Cosmetic CIP and Spray Cleaner. For professional use only.

Product Dilution Information:

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

Acute Tox. 4 (Oral)	H302
Skin Corr. 1A	H314
Eye Dam. 1	H318
STOT RE 2	H373

Label Elements

Hazard Pictograms :



GHS05 GHS07 GHS08

Signal Word : Danger.

Hazard Statements : H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H373 - May cause damage to organs (respiratory system) through prolonged/repeated exposure (inhalation)

Precautionary Statements : P234 - Keep only in original container.
P260 - Do not breathe vapors, mist, spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do no eat, drink or smoke when using this product.
P280 - Wear protective glove, protective clothing, eye protection, face protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
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 victim 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.
P310 - Immediately call a POISON CENTER or doctor/physician.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.

P314 - Get medical attention/advice if you feel unwell.
P321 - Specific treatment (see section 4).
P363 - Wash contaminated clothing before reuse.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Not applicable, product is a mixture.

Mixture:

Name	Product identifier	% (w/w)
Potassium hydroxide	(CAS No) 1310-58-3	>= 5 - < 10
Tetrasodium EDTA	(CAS No) 64-02-8	>= 1 - < 3

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 after significant exposure.
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 immediately, cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
Ingestion: Do NOT induce vomiting unless directed to do so by a physician or poison control center. Obtain immediate medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Effects are immediate and delayed. Effects are dependent on exposure (dose, concentration, contact time).
Inhalation: Symptoms may include central nervous system depression, resulting in headache, nausea and/or dizziness.
Skin Contact: Symptoms may include blistering, irritation, burns, and pain. Causes severe skin burns and eye damage.
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

Treat symptomatically. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, 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.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products: Carbon oxides (CO, CO_2). Smoke. Nitrogen oxides (NO_x).

Other information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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 breathing (vapors, mist, spray). 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. Prevent further leakage or spillage if safe to do so.

Methods and Material for Containment and Cleaning Up

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

Methods for Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Contact competent authorities after a 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 contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area.Take precautionary measures against static discharges. Dispose of rinse water in accordance with local and national regulations. Avoid exposure - obtain special instructions before use. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours or spray mist.

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: Store in a dry, cool and well-ventilated place. Keep container tightly closed and kept upright when not in use. Electrical installations/working materials must comply with the technological safety standards. Keep/Store away from extremely high or low temperatures, incompatible materials. Observe label precautions. Do not freeze.

Incompatible Materials: Acids. Oxidizing agents.

Special Rules on Packaging: This product does contain a reducing agent(s) that may corrode soft metals. This product should be stored in its original packaging or containers of similar construction, and not in metal vessels. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific End Use(s):

Cosmetic CIP and Spray Cleaner. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Potassium hydroxide (1310-58-3)		
USA ACGIH	ACGIH Ceiling (mg/m^3)	2 mg/m^3
USA NIOSH	NIOSH REL (ceiling) (mg/m^3)	2 mg/m^3
Ontario	OEL Ceiling (mg/m^3)	2 mg/m^3
Québec	PLAFOND (mg/m^3)	2 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 adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. If user operations generate fumes, vapor, spray, or mist use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal Protective Equipment: Protective goggles. Facemask/Faceshield with Protective goggles/glasses. Protective clothing & boots. Gloves. In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.



Materials for Protective Clothing: Chemically resistant materials and fabrics.
Hand Protection: Wear chemically resistant protective gloves.
Eye Protection: Chemical goggles & face shield.
Skin and Body Protection: Wear suitable impervious protective clothing.
Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

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	:	Liquid.
Particle Characteristics	:	No data available.
Appearance	:	Clear, colorless.
Odor	:	None.
Odor Threshold	:	Not available.
pH	:	13 – 14
Relative Evaporation Rate (butylacetate=1)	:	1
Melting Point	:	Not available.
Freezing Point	:	Not available.
Boiling Point	:	104.4°C (219.9°F)
Flash Point	:	Not applicable.
Auto-ignition Temperature	:	Not determined.
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	:	1.151
Solubility	:	Soluble in water.
Partition coefficient: n-octanol/water	:	Not available.
Viscosity, kinematic	:	4 mm^2/s (20°C)
Explosive Properties	:	Not expected to present an explosion hazard.
Oxidizing Properties	:	Not expected to present an oxidizing hazard.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: No decomposition if stored and applied as directed.
Conditions to Avoid: Extremely high or low temperatures. Incompatible materials.
Incompatible Materials: Acids. Oxidizing agents. This product contains sodium hydroxide or potassium hydroxide that may corrode some soft metals and may react with tin, zinc, aluminum to form hydrogen gas.
Hazardous Decomposition Products: Carbon oxides (CO, CO_2). Nitrogen oxides (NO_x).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity:
Acute toxicity estimate: 1,007 mg/kg
Method: Calculation method
LD50 and LC50 Data: Not available.
Skin Corrosion/Irritation: Extremely corrosive and destructive to tissue.
Serious Eye Damage/Irritation: May cause irreversible eye damage.
Respiratory or Skin Sensitization: No data available.
Germ Cell Mutagenicity: No data available.
Teratogenicity: Not 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.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
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): May cause damage to organs through prolonged or repeated exposure.
Reproductive Toxicity: No data available.
Specific Target Organ Toxicity (Single Exposure): No data available.
Aspiration Hazard: Not classified.
Symptoms of Overexposure: Effects are immediate and delayed.
Effects are dependent on exposure (dose, concentration, contact time).
Symptoms may include central nervous system depression, resulting in headache, nausea and/or dizziness.
Symptoms may include blistering, irritation, burns, and pain. Causes severe skin burns and eye damage.
Harmful if swallowed.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Tetrasodium EDTA (64-02-8)	
LD50 Oral Rat	1780 mg/kg

Potassium hydroxide (1310-58-3)	
LD50 Oral Rat	214 mg/kg
ATE (oral)	333.000 mg/kg body weight

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not available.

Tetrasodium EDTA (64-02-8)	
LC50 Fish 1	41 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

EC50 Daphnia 1	1.01 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
LC50 Fish 2	59.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Persistence and Degradability

X-203 (AFCO 5370)	
Persistence and Degradability	No data available.

Bioaccumulative Potential

X-203 (AFCO 5370)	
Bioaccumulative Potential	No data available.
Potassium hydroxide (1310-58-3)	
Log Pow	0.65

Mobility in Soil No data available.

Other Adverse Effects

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances.
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpart A, App. A + B).
Other Information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
Ecology - Waste Materials: This material is hazardous to the aquatic environment. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide)
Hazard Class : 8
Identification Number : UN3266
Label Codes : 8
Packing Group : II
ERG Number : 154



14.2 In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide)
Hazard Class : 8
Identification Number : UN3266
Packing Group : II
Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B



14.3 In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide)
Packing Group : II
Identification Number : UN3266
Hazard Class : 8
Label Codes : 8
ERG Code (IATA) : 8L



14.4 In Accordance with TDG

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide)
Packing Group : II
Hazard Class : 8



Identification Number : UN3266
Label Codes : 8

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

X-203 (AFCO 5370)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure).
SARA 302 Extremely Hazardous Substance	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 304 Emergency Release Notification	This material does not contain any components with a section 304 EHS RQ.
SARA 313 (TRI reporting)	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Reportable Quantity (RQ)	
Potassium hydroxide (1310-58-3)	
Component RQ (lbs)	*Calculated product RQ (lbs)*
1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

Potassium hydroxide (1310-58-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Tetrasodium EDTA (64-02-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

US State Regulations

Potassium hydroxide (1310-58-3)
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances. U.S. - New Jersey - Right to Know Hazardous Substance List. U.S. - New Jersey - Special Health Hazards Substances List. 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.
Tetrasodium EDTA (64-02-8)
U.S. - Texas - Effects Screening Levels - Long Term. U.S. - Texas - Effects Screening Levels - Short Term.

Canadian Regulations

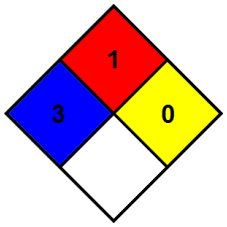
Potassium hydroxide (1310-58-3)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Tetrasodium EDTA (64-02-8)
Listed on the Canadian DSL (Domestic Substances List) inventory.

This product has been classified in accordance with the hazard criteria of the Hazrdous 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 : 10/19/2026

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 IV 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.)