

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 01.01.2021

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INDUSTRIAL GRADE ALUMINIUM BRIGHTENER, UKLEEN INC.



UKLEEN

SECTION 1: Identification of the substance/mixture and of the supplier

Product name: INDUSTRIAL GRADE ALUMINIUM BRIGHTENER

Manufacturer/Supplier Trade name: UKLEEN INC.

Manufacturer/Supplier Article number: C4750205

UKLEEN INC.

4717 District Blvd, Suite 2,
Bakersfield, CA 93311, US

Emergency telephone number: (844)8UKLEEN

SECTION 2: Hazards identification

Classification of the substance or mixture:



Corrosive

Corrosive to metals,
1Skin corrosion, category 1B
Serious eye damage, category 1



Irritant

Specific target organ toxicity following single exposure, category 3

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Corr Metals. 1
Skin Corr. 1B
Eye Damage. 1
Stot SE. 3

Signal word: Danger

Hazard statements:

- May be corrosive to metals
- Causes severe skin burns and eye damage
- May cause respiratory irritation
- Causes serious eye damage

Precautionary statements:

- If medical advice is needed, have product container or label at hand
- Keep out of reach of children
- Read label before use
- Keep only in original container
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wash ... thoroughly after handling
- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF IN EYES: 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
- Specific treatment (see supplemental first aid instructions on this label)
- Wash contaminated clothing before reuse
- Absorb spillage to prevent material damage
- Store in a well-ventilated place. Keep container tightly closed
- Store locked up
- Store in a corrosive resistant/... container with a resistant inner liner
- Dispose of contents/container to ...

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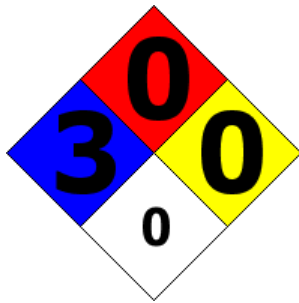
INDUSTRIAL GRADE ALUMINIUM BRIGHTENER, UKLEEN INC.

Other Non-GHS Classification:

WHMIS



NFPA/HMIS



Health	3
Flammability	0
Physical Hazard	0
Personal Protection	X

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SECTION 3: Composition/information on ingredients

Ingredients:		
CAS 7664-39-3	Hydrofluoric Acid	≥10 - ≤25
CAS 7664-93-9	Sulfuric Acid	≥3 - ≤5
CAS 127087-87-0	4-Nonylphenol, branched, ethoxylated	≥3 - ≤5
Percentages are by weight		

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Consult a physician.

After skin contact: Rinse hands with water for 20 minutes. Enter emergency shower rinsing while removing contaminated clothing and shoes. Immediately seek medical attention.

After eye contact: Protect unexposed eye. Remove contact lenses while rinsing. Continue rinsing eyes during transport to hospital. Immediately seek medical attention.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms and effects, both acute and delayed:

Headache, Nausea, Shortness of breath. Irritation/burns, all routes of exposure. Spasm, inflammation and edema of the larynx. Inflammation and edema of the bronchi, pneumonitis, pulmonary edema,; Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. (Hydrofluoric acid)

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents:

Special hazards arising from the substance or mixture:

Hydrogen chloride gas may be released.

Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to Section 8. Poisonous gas maybe produced in fire.

Additional information (precautions): Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing. Dust deposits should not be allowed to accumulate on surfaces.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Ensure that air-handling systems are operational.

Environmental precautions:

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves, and clothing. Refer to Section 8. Follow advice and precautions. Refer to Section 5. If necessary, use trained response staff or contractor. Absorb with suitable absorbent material such as sand or earth and containerize for disposal. Refer to Section 13. Sweep up and containerize for disposal. Avoid generating dust.

Reference to other sections:

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SECTION 7: Handling and storage

Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Wash hands after handling. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Wear protective equipment. See Section 8.

Conditions for safe storage, including any incompatibilities:

Store in a cool location. Store with like hazards. Keep away from open flames, hot surfaces, and sources of ignition. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

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SECTION 8: Exposure controls/personal protection



Control Parameters:

7664-39-3, Hydrofluoric Acid, C 2 ppm USA. ACGIH
7664-39-3, Hydrofluoric Acid, C 5 ppm 7 mg/m³ USA. NIOSH
7664-39-3, Hydrofluoric Acid, C 5 ppm 7 mg/m³ USA. OSHA

Appropriate Engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Use under fume hood designed for hazardous chemicals with an average face velocity of 100 feet per minute or greater. Ensure that evacuation/ventilation systems are **designed to prevent the escape of dust/mist/aerosols into the work area.**

Respiratory protection:

Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary, use NIOSH approved breathing equipment.

Protection of skin:

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing. Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye protection:

Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Wear tightly fitting safety goggles and a face shield (8-inch minimum).

General hygienic measures:

Wash hands before breaks and at the end of work. Perform routine housekeeping to prevent dust generation. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

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SECTION 9: Physical and chemical properties

Appearance (physical state, color):	OLEAN BLUE	Explosion limit lower: Explosion limit upper:	Not Determined Not Determined
Odor:	LAVENDER	Vapor pressure:	Not Determined
Odor threshold:	Not Determined	Vapor density:	Not Determined
pH-value:	>2	Relative density:	Not Determined
Melting/Freezing point:	Not Determined	Solubilities:	Soluble in water
Boiling point/Boiling range:	Not Determined	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	Not Determined		Not Determined
Evaporation rate:	>1		Not Determined
Flammability (solid, gaseous):	Not Determined		
Density: Not Determined			

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SECTION 10: Stability and reactivity

Reactivity: Nonreactive under normal conditions.

Chemical stability: Stable under normal conditions.

Possible hazardous reactions:

Conditions to avoid: Incompatible materials. Excess heat.

Incompatible materials: Most metals, Alkalis, cyanides, sulfides, sulfites, metal oxides, formaldehydes

Hazardous decomposition products: Fumes of hydrogen chloride and hydrogen in contact with metals. Chloride gas from oxidizers.

SECTION 11: Disposal considerations

Waste disposal recommendations:

Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Cover spill with soda ash or calcium carbonate. Mix and add water to form slurry. Decant to drain. Treat the solid residue as normal refuse

SECTION 12: Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Acute

SARA Section 313 (Specific toxic chemical listings):

7664-39-3 Hydrofluoric acid

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

7664-39-3 Hydrofluoric Acid 5000 lb

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

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Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

7664-39-3 Hydrofluoric Acid

SECTION 13: Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA) RCRA:

Resource Conservation and Recovery Act (USA)

TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada) DOT: US

Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals ACGIH:

American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA:

National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada) DNEL:

Derived No-Effect Level (REACH)

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Last updated: 08.01.2021