

# Safety Data Sheet

JD ALUMINUM STAINLESS STEEL CLNR

UNCONTROLLED DOCUMENT

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Version 1.0030

Revision Date 05/29/2015

Print Date 03/15/2016



## Section 1. Chemical product and company identification

**Product Name:** JD ALUMINUM STAINLESS STEEL CLNR  
**Product use:** Aluminium and stainless steel cleaner

**Contact Information:** Warsaw Chemical Co., Inc.  
P.O. Box 858  
Warsaw, IN 46581  
Tel: 1.800.548.3396  
Fax: 1.574.267.3884

**Emergency Phone:** INFOTRAC  
800.535.5053 USA & Canada  
352.323.3500 International

## Section 2. Hazards identification

### GHS Classification:

Skin corrosion/irritation (Category 1A, 1B, 1C)  
Serious eye damage/eye irritation (Category 1)  
Acute toxicity, inhalation (Category 1, 2)  
Acute toxicity, dermal (Category 1, 2)  
Acute toxicity, oral (Category 1, 2)  
Hazardous to the aquatic environment, long-term hazard (Category 3)  
Serious eye damage/eye irritation (Category 2A)  
Acute toxicity, inhalation (Category 4)

### Pictogram(s):



**Signal Word:** DANGER

### Hazard Statements:

H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage  
H330 Fatal if inhaled  
H310 Fatal in contact with skin  
H300 Fatal if swallowed  
H412 Harmful to aquatic life with long lasting effects  
H319 Causes serious eye irritation  
H332 Harmful if inhaled

### Precautionary Statement(s):

P260 Do not breathe dust/fumes/gas/mist/vapours/spray  
P262 Do not get in eyes, on skin, or on clothing  
P264 Wash ... thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P284 Wear respiratory protection  
P310 Immediately call a POISON CENTER or doctor/physician  
P363 Wash contaminated clothing before reuse  
P405 Store locked up  
P501 Dispose of contents/container in accordance with federal, state and/or local regulations

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

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## Section 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% Less Than</u>
Hydrofluoric acid	7664-39-3	6.0000
Sulfuric Acid	7664-93-9	60.0000

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients known to be hazardous.

## Section 4. First aid measures

- Eye contact:** Corrosive to the eyes. Symptoms of redness, pain, blurred vision, and permanent eye damage may occur.
- Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Corrosive to the skin. Skin contact causes serious skin burn which may not be immediately be apparent or painful.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Ingestion:** Do NOT induce vomiting. May cause sore throat, abdominal pain, diarrhea, vomiting, severe burns of the digestive tract, and kidney dysfunction. Rinse mouth out with water. Consult a physician.
- General:** Move out of dangerous area. Consult a physician. Show this safety sheet to the doctor in attendance. Consult a physician. Show this safety data sheet to the doctor in attendance. Hydrofluoric (HF) acid burns require immediate and specialized first aid and medical treatment. Symptoms may be delayed up to 24 hours depending on the concentration of HF. After decontamination with water, further damage can occur due to penetration/absorption of the fluoride ion. Treatment should be directed toward binding the fluoride ion as well as the effects of exposure. Skin exposures can be treated with a 2.5% calcium gluconate gel repeated until burning ceases. More serious skin exposures may require subcutaneous calcium gluconate except for digital areas unless the physician is experienced in this technique, due to the potential for tissue injury from increased pressure. Absorption can readily occur through the subungual areas & should be considered when undergoing decontamination. Prevention of absorption of the fluoride ion in cases of ingestion can be obtained by giving milk, chewable calcium carbonate tablets or Milk of Magnesia to conscious victims. Conditions such as hypocalcemia, hypomagnesia & cardiac arrhythmias should be monitored for, since they can occur after exposure. Move out of dangerous area.

See Section 11 for exposure symptoms.

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## Section 5. Fire-fighting measures

- Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.
- Protective Equipment:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
- Additional Information:** Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.

## Section 6. Accidental release measures

- Personal Precautions:** Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
- Environmental:** Do not let product enter drains.
- Containment/Cleanup:** Soak up with an inert absorbant material and dispose of as a hazardous waste. Keep in suitable, closed containers for disposal.

## Section 7. Handling and storage

- Safe Handling:** Wear proper personal protective equipment. Avoid breathing vapour or mist.
- Safe Storage:** Keep container tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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## Section 8. Exposure controls/personal protection

- Engineering Controls:** Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.
- Eye Protection:** Safety eyewear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Respiratory Protection:** Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.
- Hand Protection:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Skin Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Hydrofluoric acid	0.5		
Sulfuric Acid			0.2

## Section 9. Physical and chemical properties

Physical State:	Liquid
Color:	Blue
Odor:	Acid
Odor Threshold:	N/E
pH:	<1
Melting Point:	N/E
Freezing Point:	N/E
Boiling Point:	N/E
Flash Point:	Nonflammable
Evaporation Rate:	N/E
Flammability:	Nonflammable
Upper Explosive Limits:	N/A
Lower Explosive Limits:	N/A
Vapor Pressure:	N/E
Vapor Density:	N/E
Relative Density:	N/E
Solubility:	Complete
Partition coefficient:	N/E
Auto-Ignition Temperature:	N/E
Decomposition Temperature:	N/E
Specific Gravity:	1.290
% Volatile:	N/E

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## Section 10. Stability and reactivity

**Reactivity:** Reactive with metals

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** None under normal conditions.

**Conditions to avoid:** AVOID HEAT and open flames

**Incompatible materials:** STRONG OXIDIZERS, ALKLAIS, reacts with metals producing flammable hydrogen gas which can form explosive mixtures with air

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Routes of entry:**  Inhalation  Absorption  Ingestion

**Acute Exposure Hazards:**

**Eye contact:** Severe eye irritation, burns

**Dermal:** Skin irritation, can cause burns with contact

**Oral:** Corrosive to mucous membranes.

**Inhalation:** MIST MAY BE MILD TO STRONG IRRITANT, CORROSIVE.

COMPONENT	Result	Species	Dose	Exposure
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## Section 12. Ecological information

**Ecotoxicity:** No data available.  
**Persistence & degradability:** No data available.  
**Bioaccumulative potential:** No data available.  
**Mobility in soil:** No data available.  
**Other adverse effects:** No data available.

Component	Result	Species	Dose	Exposure
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## Section 13. Disposal considerations

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

## Section 14. Transport information

DOT (US)

**UN Number:** UN1760  
**Shipping Name:** CORROSIVE LIQUIDS, N.O.S.  
**Technical Name:** (HYDROFLUORIC ACID, SULFURIC ACID)  
**Hazard Class:** 8  
**Packaging Group:** II

## Section 15. Regulatory information

SARA 313 Components	CAS No.	% Less Than
Hydrofluoric acid	7664-39-3	6.0000
Sulfuric Acid	7664-93-9	60.0000

California Prop. 65 Components	CAS No.	% Less Than
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## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

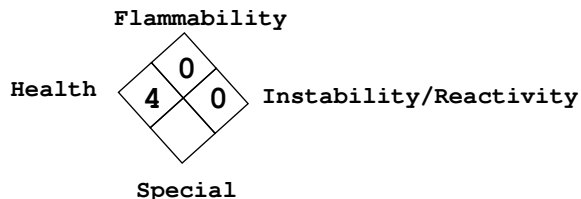
Health Hazard	4
Fire Hazard	0
Reactivity	0
Personal Protection	H

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

### PERSONAL PROTECTION INDEX

A	Safety Glasses
B	Safety Glasses, Gloves
C	Safety Glasses, Gloves, Apron
D	Face Shield, Gloves, Apron
E	Safety Glasses, Gloves, Dust Respirator
F	Safety Glasses, Gloves, Apron, Dust Respirator
G	Safety Glasses, Gloves, Vapor Respirator
H	Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
I	Safety Glasses, Gloves, Dust & Vapor Respirator
J	Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
K	Airline Hood or Mask, Gloves, Full Suit, Boots
X	Consult your supervisor for special handling directions

National Fire Protection Association (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals.

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act of 1970 and shall not be used for any other purpose. Use or dissemination of all or any part of this information can be grounds for legal action.

To the best of our knowledge, the information provided in this Safety Data Sheet is accurate as of the date of its issue. However, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE. The information this Safety Data Sheet contains is being given for safety guidance purposes and relates only to the specific material and uses described in it. This information does not necessarily apply to that material when combined with other material(s) or when used otherwise than as described herein.

In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose. All materials may represent unknown hazards and should be used with caution.