



NATIONAL CONCRETE PRODUCTS

NCP Acid Stains

SECTION I: IDENTIFICATION

Product Name: NCP Acid Stain

Emergency Telephone Number: 1-800-535-5053

Product Use: Chemical stains for concrete and masonry

Telephone Number for Information: 844-393-7699

SECTION II: HAZARD IDENTIFICATION

Signal Word: DANGER

Hazard Classification:

Acute Toxicity, Oral, Category 4

Acute Toxicity, Dermal, Category 4

Serious Eye Damage/Irritation, Category 1

Specific Organ Toxicity, Single Exposure, Category 2

Hazard Statements:

H302 - Harmful if swallowed

H312 - Harmful in contact with skin.

H318 - Causes serious eye damage.

H371 - May cause damage to organs (Kidney)

Precautionary Statements:

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P351 – IF ON SKIN: Wash with plenty of 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.

P330 – Rinse mouth.

P362 – Take off contaminated clothing and wash before reuse.

P501 - Dispose of contents/container to an approved waste disposal plant.

Hazard Pictograms:



SECTION III: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:

Hydrochloric Acid

Sodium dichromate

CAS No.

7647-01-0

10588-01-9

Percentage %

4-8%

2-10%



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SECTION IV – FIRST AID MEASURES

General Information: Immediately remove any clothing soiled by the product and launder before reuse.

After inhalation: Remove to fresh air immediately. If breathing difficulty continues, **Get Medical Help.**

After skin contact: Immediately wash with water and soap and rinse thoroughly. If irritation develops, **Get Medical Help.**

After eye contact: Flush thoroughly with water for 15 minutes, lifting both eyelids. If irritation persists, **Get Medical Help.**

After ingestion: **DO NOT INDUCE VOMITING.** Drink two glasses of water and **Get Immediate Medical Help.** Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects:

Acute: Severe eye irritation.

Delayed: Skin irritation.

SECTION V – FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None known.

Fire Hazard: Non-Flammable

Explosion Hazard: Non-Explosive

Reactivity: May react with aluminum to produce flammable hydrogen gas.

Products of Combustion: Not Applicable

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Special Remarks and Advice for Firefighters: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment (See section VIII). Keep unprotected persons away.

Methods and material for containment and cleaning up:

Spill Response: Absorb with liquid-binding material (sand, diatomite, and universal binders.) Use neutralizing agent, such as sodium bicarbonate.

Waste Disposal: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers.



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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handling

Precautions for safe handling: Ensure good ventilation. Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container.

Additional Hazards: Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

Hygiene Measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing, launder before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Storage

Storage Conditions: Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container.

Storage Area: Store at room temperature. Keep containers tightly sealed.

Incompatible Products and Materials: Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

SECTION VIII – EXPOSURE CONTROL MEASURES

Exposure Limits:

CAS 7647-011-1 Hydrochloric Acid

PEL	5 ppm / 7 mg/m ³ (ceiling)
TVL	2 ppm / 3 mg/m ³ (ceiling)

Appropriate Engineering Controls: Local ventilation.

Personal Protective Equipment:



Hand: Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact.

Eye: Safety Glasses.

Skin and Body: Non-absorptive boots.

Respiratory: None required.

Additional Information: None.



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SECTION IX – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Form: Liquid Color: Various Colors Odor: Pungent; acidic
pH-value:	1-2
Boiling Point/Boiling Range:	~212°F / 100°C
Freezing Point:	NE
Flash Point:	None
Auto Igniting:	Product is not self-igniting.
Vapor Pressure:	NE
Vapor Density:	1.12-1.30 g/cm ³
Viscosity:	NA
Solubility:	Soluble
Evaporation Rate:	NE
Flammability:	Non-Flammable
Decomposition Temperature:	NE

SECTION X – REACTIVITY DATA

Conditions to be avoided: No decomposition if used according to specifications.

Incompatible materials: Bases, amines, alkali metals, metals - especially aluminum, permanganates, Fluorine, metal acetylides, hexalithium disilicide, and bleach.

Hazardous Decomposition Products: No dangerous decomposition products known,

Reactivity: Reacts with concrete.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: NA

SECTION XI – TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful if swallowed, Harmful in contact with skin.

Likely Route of Exposure: Skin.

Exposure Symptoms:

Eyes: Can cause severe irritation and eye damage.

Skin: Irritation and possible burns. May cause allergic reaction with some people. Avoid repeated contact.

Inhalation: Coughing, sore throat, shortness of breath, irritation of mucous membrane.

Ingestion: Sore throat, abdominal pain, burning. May cause kidney damage.

Effects (Short-term, Long-term):

Immediate: Eye irritation.

Delayed: Skin irritation.

Chronic: NA

Carcinogenicity: No.

Sensitization: No sensitizing effects known.



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SECTION XII - ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available.

Persistence and Degradability: No further relevant information available.

Behavior in Environmental Systems:

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: Do not allow undiluted product or large quantities of it to reach ground water; water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

Other Adverse Effects: None known.

SECTION XIII - DISPOSAL CONSIDERATIONS

Recommendation: Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations.

Recommended Cleansing Agent: Water.

Additional Information: Refer to Section 8

SECTION XIV - TRANSPORT INFORMATION

UN-Number:	1760
UN Proper Shipping Name:	N.O.S., Hydrochloric Acid
Transport Hazard Class:	8 Corrosive substances
Packing Group:	III
Environmental Hazards:	None - Not a marine pollutant.

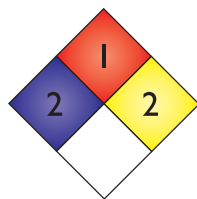


Additional Information:	ORM-D Ground Transportation Only for Containers of 5L or less.
Special Precautions for User:	Warning: Corrosive Substances



SECTION XV - OTHER REGULATORY INFORMATION

NFPA Ratings (Scale 0-4)



Health: 2	*Material is nonflammable,
Fire: 1*	however certain reactions may
Reactivity: 2	liberate flammable hydrogen gas



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SECTION XVI - OTHER INFORMATION

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