

Scale Purge

SDS Number: 0105

Revision Date: 5/22/2020

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Alliance Group Inc. 262-251-4977
N114 W18621 Clinton Drive
Germantown, WI 53022

Phone: 800-255-3924

Emergency: CHEMTEL

Product Identifier: Scale Purge
Common Name: Hydrochloric Acid
SDS Number: 0105
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2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Corrosive to Metals, 1
Health, Skin corrosion/irritation, 1 B
Health, Serious Eye Damage/Eye Irritation, 1
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P234 - Keep only in original container.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
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.
P304+340+310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
P332+313 - If skin or eye irritation occur/persists: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P404 - Store in a closed container.
P501 - Dispose of contents/container in accordance with local, regional, and international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS



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Route of Entry:	Eyes; Inhalation; Ingestion; Skin.
Target Organs:	Respiratory system; Eyes; Skin; Teeth.
Inhalation:	May cause severe irritation and inflammation of the respiratory tract. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Skin Contact:	May cause severe irritation and burns. Prolonged and repeated contact, even with dilute concentrations, can cause a high degree of tissue destruction.
Eye Contact:	May cause severe irritation and burns. May cause permanent eye damage, blindness, corneal damage. Effects may vary depending on length of exposure
Ingestion:	Harmful if swallowed

HMIS III: Health = 3(Chronic), Fire = 0, Physical Hazard = 0

HMIS		
HEALTH	<input checked="" type="checkbox"/>	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	<input type="checkbox"/>	

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COMPOSITION/INFORMATION OF INGREDIENTS

Substance/Mixture: Mixture

**Contains corrosion inhibitor

Chemical Ingredients:		
CAS#	%	Chemical Name:
7647-01-0	<30%	Hydrochloric acid, solution
61791-24-0	<1%	Amines, soya alkyl, ethoxylated

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FIRST AID MEASURES

Inhalation:	If inhaled, move victim to fresh air. Give oxygen or artificial respiration if needed. Consult a physician
Skin Contact:	Promptly flush skin with water for 15 minutes. Remove contaminated clothing immediately. Do not reuse clothing and shoes until cleaned. Discard leather articles such as shoes and belt. Consult a physician.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention. Continue rinsing eyes on way to hospital.
Ingestion:	If swallowed: If fully conscious, drink a quart of water or milk. Do NOT induce vomiting. Seek immediate medical attention. If unconscious, take to a hospital or physician. Never induce vomiting or give anything by mouth to an unconscious victim. For spontaneous vomiting, keep head below hips.

Protection of First Aid Personnel:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. If it is suspected that dust, vapor, or gas are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

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FIRE FIGHTING MEASURES



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Flammability:	Not flammable or combustible.
Flash Point:	None
Flash Point Method:	No data available.
Burning Rate:	No data available.
Autoignition Temp:	None
LEL:	No data available.
UEL:	No data available.

Fire Fighting Methods

Evacuate area of unprotected personal. Wear protective clothing including NIOSH Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire exposed containers and disperse vapors.

Unusual Fire or Explosion Hazards:

None known

Extinguishing Media

Suitable: Regular dry chemical, carbon dioxide, fine water spray, regular foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable fire extinguisher: Do NOT use high volume water spray.

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ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Evacuate personnel to safe area. Use personal protective equipment to avoid direct contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas. Wear respiratory protection. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be avoided.

Spill

Soak up with inert absorbent material and dispose of as hazardous waste. Neutralize with sodium carbonate or other non-combustible material. Keep in suitable, closed containers for disposal.

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HANDLING AND STORAGE**Handling Precautions:**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Do not puncture or drop containers. Do not expose containers to open flame, excessive heat, or direct sunlight.

**Never add water to acids; always add acids to water.

Storage Requirements:

Store in cool/dry area. Keep away from sunlight, heat, sparks, and flames. Keep away from incompatible materials. Keep container tightly closed. Do not store in unlabeled or mislabeled containers. Highly corrosive to most metals with evolution of hydrogen gas.

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EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

Provide local exhaust ventilation. Maintain adequate ventilation. Do not use in closed or confined spaces.



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Avoid creating mist. Keep levels below exposure limits.

Personal Protective Equipment:**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Eyes and Face

Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.

Skin

Prevent contact with this product. Wear gloves and protective clothing depending on conditions of use.

Protective gloves: gauntlet-type, neoprene, nitrile.

Component	OSHA PEL	ACGIH TWA/ TLV
Hydrochloric Acid	5 mg/m ³	2 mg/m ³

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear; dark amber	Odor:	Sharp odor, pungent
Physical State:	Liquid	Molecular Formula:	No data available.
Odor Threshold:	1-5 ppm	Solubility:	Complete
Particle Size:	No data available.	Softening Point:	No data available.
Spec Grav./Density:	1.140 @ 25 C	Percent Volatile:	None
Viscosity:	No data available	Heat Value:	No data available.
Saturated Vapor Concentration:	No data available.	Freezing/Melting Pt.:	-30°C / -22° F
Boiling Point:	110°C / 230°F	Flash Point:	No data available.
Flammability:	No data available.	Octanol:	No data available.
Partition Coefficient:	Not relevant	Vapor Density:	No data available.
Vapor Pressure:	78 mm Hg	VOC:	No data available.
pH:	<1.0	Bulk Density:	No data available.
Evap. Rate:	No data available	Auto-Ignition Temp:	No data available.
Molecular weight:	No data available.	UFL/LFL:	No data available.
Decomp Temp:	No data available.		

Lower Explosion Limits: No data available.

Upper Explosion Limits: No data available.



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10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Contact with strong bases can cause generation of heat. Contact with chlorine containing compounds will release poisonous chlorine gas. Reactions with metals can release flammable hydrogen gas.
Materials to Avoid:	Metals. Water. Alkalies. Strong Oxidizing Agents. Reducing agents. Carbonates. Cyanides. Sulfides. Carbides. Chlorates. Fulminates. Nitrates. Powdered metals. Organic materials. Combustible materials. Nitrogen compounds. Picrates. Bases. Halogens. Alkali metals, and many other reactive substances.
Hazardous Decomposition:	None known
Hazardous Polymerization:	Will not occur under normal conditions.

11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects: Corrosive- Causes severe eye irritation and burns. May cause: blurred vision, redness, pain, conjunctivitis, ulcerations, tissue destruction, permanent eye damage, blindness.

» Hydrochloric Acid: Eyes = Rabbit - corrosive to eyes

Skin Effects: Corrosive- Causes severe irritation and burns. Concentrated solutions may cause: severe burns, severe necrosis, permanent skin damage. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin.

» Hydrochloric Acid: Dermal LD50 - no data available

Skin corrosion /irritation: Rabbit - corrosive; causes burns

Inhalation Effects: Corrosive- Cause severe irritation and burns. Vapors and mists may damage: mucous membranes, respiratory tract. Vapors or mists may cause: coughing, sore throat, shortness of breath, labored breathing, choking, bronchospasms, chemical pneumonitis, pulmonary edema, death. Effects may be delayed. Chronic exposure may cause: dental erosions, discoloration of teeth, bronchitis.

» Hydrochloric Acid: Inhalation LC50 - no data available

Ingestion Effects: Corrosive- Causes severe irritation and burns. May cause damage to the: mouth, throat, esophagus, stomach, gastrointestinal tract. May cause: pain, vomiting, diarrhea, bleeding, labored breathing, burns or perforation of the gastrointestinal tract leading to ulceration and secondary infection, and death. Effects may be delayed. Aspiration into the lungs may cause chemical pneumonia and lung damage.

» Hydrochloric Acid: Oral LD50 - no data available

Chronic Effects: No data available.

Mutagenicity: No data available.

Teratogenicity: No data available.

Fertility Effects: No data available.

Carcinogenicity: IARC: Group 3 - not classifiable as to carcinogenicity to humans (Hydrochloric Acid)

12 ECOLOGICAL INFORMATION

Biodegradability No data available.

Ecotoxicity



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Toxicity to fish:

LC50 - Gambusia affinis (Mosquito fish) - 282 mg/l - 96 h (Hydrochloric acid):

Toxicity to aquatic invertebrate: no data available

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind, or expose empty containers to heat, flame, sparks or other sources of ignition.

RCRA: Hazardous Waste Number: D002

14 TRANSPORT INFORMATION

UN1789, Hydrochloric acid solution, 8, PGII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(5000LBS), Hydrochloric acid, solution (7647-01-0) [n/a%] CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

FEDERAL REGULATIONS

TSCA Inventory Status: All components of this product are listed "Active" on the Toxic Substances Control Act (TSCA) 8 (b) Inventory.

CERCLA / SARA Emergency Reporting A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements.

» **Hydrochloric Acid - CERCLA Reporting amount 5000 lbs**

Clean Water Act (CWA): The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. »
Hydrochloric Acid

RCRA: The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes.

» **Waste Code D002 = Corrosivity**

STATE REGULATIONS

California- This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.



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Massachusetts - RTK Substances: The following components are listed: Hydrochloric Acid (CAS# 7647-01-0)

New Jersey - RTK Substances: The following components are listed: Hydrochloric Acid (CAS# 7647-01-0)

Pennsylvania - RTK Substances: The following components are listed: Hydrochloric Acid (CAS# 7647-01-0)

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OTHER INFORMATION

Prepared By: P May

Reason For Revision: Updated GHS & Regulatory Information

Disclaimer:

This information is given in good faith and based on our current knowledge of the product. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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