

Fast Klean

MSDS Number: AC250E

Revision Date: 5/11/2015

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 1 Oral
Health, Skin corrosion/irritation, 1 A
Health, Serious Eye Damage/Eye Irritation, 1
Health, Acute toxicity, 4 Inhalation

GHS Phrases:

H300 - Fatal if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H332 - Harmful if inhaled

GHS Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P284 - Wear respiratory protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P302+352 - IF ON SKIN: Wash with plenty of water.
P315 - Get immediate medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P314 - Get Medical advice/attention if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 - If eye irritation persists: Get immediate medical advice/attention.
P402+404 - Store in a dry place. Store in a closed container.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/national/international regulations.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
7647-01-0	Hydrochloric Acid	10-30%	5	5	D
111-76-2	2-Butoxyethanol	<5%	25	25	D

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FIRST AID MEASURES

Inhalation:	Remove to fresh air. Resuscitate if necessary. Get immediate medical attention.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get immediate medical advice/attention.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

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FIRE FIGHTING MEASURES

Flammability:	NA
Flash Point:	NA
Flash Point Method:	NA
Burning Rate:	ND
Autoignition Temp:	ND
LEL:	ND
UEL:	ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water

Special Fire fighting procedures: Self-contained breathing apparatus and protective clothing if needed.

Unusual Fire & Explosion Hazards: Reaction from most metals produce hydrogen gas which is flammable and explosive in air.

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ACCIDENTAL RELEASE MEASURES

Absorb with suitable medium. Dilute and rinse with water. Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

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7 HANDLING AND STORAGE

Handling Precautions: Corrosive liquid. Do not breathe gas/fumes/vapor/spray. Use in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

Storage Requirements: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Corrosive liquid. Store in a cool, dry area away from heat, sparks, flame and other sources of ignition. Keep out of reach of children. Handle all containers carefully. Keep out of reach of children.

Keep container tightly closed and in a well-ventilated place. Store locked up.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Local exhaust and fan
Personal Protective Equip: HMIS PP, B | Goggles, Gloves
 Respiratory Protection: NOISH- approved full face piece cartridge respirator.
 Protective gloves: Rubber or neoprene
 Eye protection: Splash proof goggles and/ or full face shield

Hygienic work practices: Wash with soap and water before handling food.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Straw to light brown colored liquid	Odor:	Pungent, acidic
Physical State:	Liquid	Molecular Formula:	NA
Particle Size:	NA	Solubility:	Complete
Spec Grav./Density:	(H2O=1): 1.08 +/- 0.1	Softening Point:	NA
Viscosity:	NA	Percent Volatile:	NA
Sat. Vap. Conc.:	NA	Heat Value:	NA
Boiling Point:	ND	Freezing/Melting Pt.:	NA
Vapor Pressure:	ND	Octanol:	NA
pH:	Less than 1	Vapor Density:	(Air=1): ND
Evap. Rate:	NA	VOC:	NA
Molecular weight:	NA	Bulk Density:	NA

10 STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: NA
Materials to Avoid: Alkalis, oxidizers, metals
Hazardous Decomposition: Hydrogen chloride vapors
Hazardous Polymerization: Will not occur

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TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Hydrochloric Acid (HCl) (CAS 7647-01-0)

Acute

Oral LD50 900 mg/kg (Rabbit) @ 100% HCl

Inhalation LC50 3124 ppm 1 hr (Rat) @ 100% HCl

2- Butoxyethanol (CAS 111-76-2)

Oral LD50 470 mg/kg (Rat)

Dermal LD50 2270 mg/kg (Rat)

Dermal LD50 mg/kg (Rabbit)

Inhalation LC50 2.21 mg/L 4h, (Rat)

Inhalation LC50 450 ppm 4h, (Rat)

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ECOLOGICAL INFORMATION

Data summary for the components are as follows:

Ecotoxicity:

Hydrochloric Acid (HCl) (CAS 7647-01-0)

Fish LC50 282 mg/l 96 hr Mosquito fish (slightly toxic)

LC50 3.6 mg/l 48 hr Bluegill

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DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.

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TRANSPORT INFORMATION

Proper Shipping Name: UN1760, Corrosive Liquid N.O.S. (Hydrochloric Acid), 8, PG II

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Hydrochloric acid (7647010 10-30%) CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

*2-Butoxyethanol (111762 <5%) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJEHS = NJ Extraordinarily Hazardous Substances
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA Chemicals Requiring process safety management
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
TSCA = Toxic Substances Control Act

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OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined