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Better Chemistry. Better Business.



SYSTEM II ALPHA

2701005

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Industrial applications



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Nitric Acid	Aqua Fortis	7697-37-2	Approx 35%
Ethylene Glycol	1,2-Ethanediol	107-21-1	Approx 5%
Sulfamic Acid	-	5329-14-6	Approx 5%
Fluoboric Acid	Hydrofluoboric Acid	16872-11-0	Approx 1.5%

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Get medical attention immediately. Call a poison control center or physician. If suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If product vapor or mists cause respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Do not use the mouth to mouth method if the victim inhaled the substance; give artificial respiration with aid of a pocket mask equipped with a one-way valve or other proper respiratory device. If unconscious, maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

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Immediately flush the eyes with large quantities of running water for 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyelids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue rinsing for an additional 15 minutes if the physician is not available.

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If swallowed: Rinse mouth. Do NOT induce vomiting.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

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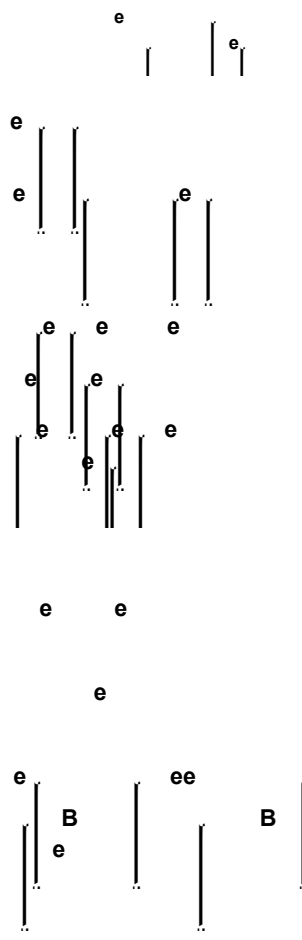
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Store locked up and away from incompatible chemicals.

Container that have been opened must be carefully resealed and kept upright to prevent leakage.

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Nitric Acid	ACGIH	2 ppm	4 ppm
Ethylene Glycol	ACGIH	50 ppm	-
Sulfamic Acid	not established		
Fluoboric Acid	ACGIH	2.5 mg/m3	-



Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Acid resistant rubber.

Wear chemical safety goggles with face shield.

Wear chemical resistant boots.

Wear chemical resistant clothing.

Light Amber

Acrid pungent

N/A

<1

N/A

N/A

N/A

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Stable under recommended storage conditions. Decomposes in the presence of air, light or organic matter. Yellow/brown color is due to the release of nitrogen dioxide upon exposure to light.

Will react with alkali

Nitric Acid reacts or is incompatible with over 150 chemical combinations. Refer to NFPA protection guide for specifics. Metals, powders, reducing agents, strong bases, acetic acid, alcohols, acetone, aniline, hydrogen sulfide, carbides, anhydrides, organic solvents, combustible materials, chromic acid, flammable liquids, cyanides, sulfides. Incompatible with many other substances. DO NOT add water to the acid. ALWAYS add the acid to water while stirring to prevent the release of heat, steam, fumes.

Nitric Acid -LD50->= 90 mg/kg (rat)

Ethylene Glycol-LD50(Rat)-6000-13000 mg/kg

Sulfamic Acid-LD50(Rat)-3160 mg/kg

Fluoboric Acid-LD50(Rat)-100 mg/kg

Nitric Acid-LC50-30 min, -260 mg/m<sup>3</sup>(rat), LD50, 4 h-1302 mg/m<sup>3</sup> (rat); LD50, 4 h-67 ppm NO<sub>2</sub> (rat)

Ethylene Glycol-LC50-7 h ((Rat)->3.95 mg/L

Severe irritation or burns to skin, eyes and respiratory system

Severe irritation or burns to skin, eyes and respiratory system

Not listed by IARC, NTP, OSHA, ACGIH

Eyes, Skin, Inhalation, Ingestion

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No data available

low

No data available

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**Dispose of in accordance with local, state and federal regulations.**

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CORROSIVE LIQUID, ACIDIC, INORGANIC N.O.S. (NITRIC ACID),

e The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.

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