

STRIPOL TL 15

Revised: 1/22/15

1 IDENTIFICATION

Product Code :2701004

Recommended use of the chemical and restrictions on use:Industrial applications

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2 HAZARDS IDENTIFICATION



Signal Word: DANGER

Hazard Category: Acute Toxicity-Inhalation Hazard Category 4

Skin Corrosion/Irritation Hazard Category 1A

Eye Damage/Irritation Hazard Category 1

Acute Aquatic Toxicity-Category 3

Hazard Statements: Harmful if inhaled.

Causes severe skin burns and eye damage.

Harmful to aquatic life

Prevention: Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face prot

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Use only outdoors or in well ventilated area.

Wash skin thoroughly after handling.

Avoid releases to the environment

Response: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if yo

If on skin (or hair): Take off immediately all contaminated clothing Rinse skin with water/shower .

Wash contaminated clothing before reuse.

Specific treatment - refer to poison center or doctor for advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

Storage: Store locked up.

Store in a well ventilated place. Keep cool .

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Acetic Acid	Carboxylic Acid	64-19-7	<10%
Fluoboric Acid	-	16872-11-0	~5%
Boric Acid	-	10043-35-3	<5%
Sulfamic Acid	-	5329-14-6	<5%
M-Nitrobenzene Sulfonic Acid sodium	Benzene Sulfonic Acid	127-68-4	<10%

4 FIRST AID**After Inhalation:**

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center immediately.

After Skin Contact:

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Destroy contaminated shoes.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Most Important Symptoms/Effects**Inhalation:**

Inhalation of concentrated vapors may cause serious damage to the lining of the nose, throat, and lungs. Breathing difficulties may occur. Neither odor nor degree of irritation are adequate to indicate vapor concentration.

Eye:

Causes serious eye damage. Material is extremely destructive to the tissue and mucous membranes of the eye. Causes redness, pain, burning sensation and tearing. Direct contact with liquid may cause blindness or permanent eye damage.

Skin:

Contact with concentrated solution may cause serious damage to the skin. Effects may include redness, pain, skin burns, High vapor concentrations may cause skin sensitization.

Ingestion:

Swallowing can cause severe injury leading to death. Symptoms include sore throat, vomiting, and diarrhea. Ingestion of as little as 1.0 ml has resulted in perforation of the esophagus.

Chronic:

Repeated or prolonged exposure to and absorption of the fluoride ion can cause kidney damage as well as fluorosis (brittle bones, calcified ligaments and anemia).

5 FIRE FIGHTING MEASURES**Suitable and Unsuitable extinguishing media:**

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Special protective equipment and precautions for firefighter

Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

Prevent spilled product from drains, sewers, waterways and soil.

Methods and Materials for containment & cleaning up:

Provide sufficient ventilation.

Remove or shutdown ignition sources such as pilot lights, heating elements, furnaces and boilers.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling:

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Do not get in eyes, or on skin, or on clothing.

Use in well ventilated area.

Wash hands thoroughly after handling.

Conditions for safe storage, inc any incompatibilities:

Keep container tightly closed.

Store in a well ventilated place. Keep cool .

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Acetic Acid	ACGIH	10 ppm	15 ppm
Fluoboric Acid	ACGIH	2.5 mg/m ³ (F)	-
Boric Acid	ACGIH	10 mg/m ³ as nuisance dust	-
Sulfamic Acid	Not established		
M-Nitrobenzene Sulfonic Acid sodium	Not established		

ACGIH - American Control of Governmental Hygenists

OSHA - Occupational Safety and Health Administration

Ventilation:

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).

Other:

Insure that eye wash and safety shower are proximal to the work station.

Protective Gloves:

Acid resistant rubber.

Eye Protection:

Wear chemical safety goggles.

Other Protective Equipment:

Rubber aprons, safety shoes and similar protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Yellow Liquid

Odor:

Vinegar like-pungent

Odor Threshold:

N/A

PH:	N/A
Melting Point/Freezing Point:	N/A
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	1.082
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Contact with incompatible materials
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon Dioxide, Carbon Monoxide

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Acetic Acid-LD50(Rat)-3310-3530 mg/kg
Oral Administration:	Fluoboric Acid-LD50(Rat)-100 mg/kg
Oral Administration:	Boric Acid-LD50(Rat)-3500-4100 mg/kg
Oral Administration:	Sulfamic Acid-LD50(Rat)-3160 mg/kg
Oral Administration:	M-Nitrobenzene sulfonic acid, sodium-LD50(Rat)- 11 gm/kg
Inhalation:	Acetic Acid-LC50(mouse)-5620 ppm - 1 h
Dermal administration:	Acetic Acid-LD50(Rabbit)-1060 mg/kg
Short term exposure:	Irritation or burns to skin, eyes and respiratory system
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Persistence and Degradability:	Will biodegrade readily
Abiotic degradability:	No data available
Bioaccumulation potential:	Unlikely
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number: 1760
UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(FLUOBORIC ACID, ACETIC ACID),
Transport Hazard Class (es): 8
Packing Group: II
ERG: 154

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 1

Cercla Acetic Acid-RQ=5000 lbs

16 OTHER INFORMATION

Disclaimer: 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.