

SULFAMIC ACID

Product: 1243401

Revision Date: 2013/02/21

Section 1: PRODUCT INFORMATION

Chemical family: Acids

Supplier: UNIPEX SOLUTIONS CANADA Inc.
1570 Ampere, suite 106
Boucherville, Quebec
J4B 7L4.

Emergency Phone Number: Newalta 1-800-567-7455.

Manufacturer: Various manufacturers.

TDG classification:
Sulfamic acid
UN 2967
class 8
PG III.



WHMIS classification:

E



DSL status: Appears on DSL.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
5329-14-6	100	SULFAMIC ACID	NOT AVAILABLE	3160 MG/KG RAT ORAL 1312 MG/KG MOUSE ORAL	NOT AVAILABLE

Section 3: PHYSICAL DATA

Physical state: Solid

Appearance & odor: Odorless.
White crystalline.

Odor threshold (PPM): Not available.

Vapour pressure (mm hg): @ 20°C.
0.78 Pa

Vapour density (air=1): Not available.

Volatiles (%)

By volume: None

**Evaporation rate
(butyl acetate = 1):** Not volatile.

Boiling point (°C): Decomposes.

Freezing point (°C): (melting point).
205

PH: (1%/water sol.).
1.18

Specific gravity @ 20 °C: 2.125

Solubility in water (%): 18.4 g/L/% @ 20°C

Coefficient of water\oil dist.: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Excessive heat, sparks and open flames.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature: Not available.

Flash point (°C), method: Non-flammable.

**Lower flammability
limit (% vol):** Not applicable.

**Upper flammability
limit (% vol):** Not applicable.

Explosion Data

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Sulfur dioxide.
Sulfur trioxide.
Ammonia gas.

Explosive power: Not available.

Section 5: REACTIVITY DATA

Chemical stability: Product is stable.

Conditions of reactivity: Water

Hazardous polymerization: Will not occur.

Incompatible substances: Cyanides.
Chlorine.
Hypochlorites.
Sulfides.
Hypochlorous acid.

Hazardous decomposition products: See hazardous combustion products in section 4.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: Causes eye burns.

Skin contact: Causes irritation.

Inhalation: May cause mild irritation to the nose and throat.

Ingestion: Harmful if swallowed.

Effects of chronic exposure: No data on symptoms available.

LD50 of product, species & route: See hazardous ingredients in section 2.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available.

Sensitization to product: Not available.

Carcinogenic effects: Not available.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Rubber gloves.

Respiratory/Type:



Wear a NIOSH approved dust respirator as needed.

Eye/Type: Splash proof chemical goggles.

Footwear/Type: Safety boots per local regulations.

Clothing/Type: Wear adequate protective clothes.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local exhaust at points of emission.

Leak/Spill: Provide adequate ventilation.
Sweep up.
Eliminate all sources of ignition.
Rinse spill area with plenty of water.
Neutralize with soda ash or lime.

Waste disposal: In accordance with municipal, provincial and federal regulations.
Recycle waste where applicable.

Handling procedures and equipment: Use adequate ventilation.
Wash thoroughly after handling.
Avoid contact with skin, eyes and clothing.
Wear suitable protective clothing.
Avoid generating or breathing dust.
Protect from moisture.
Launder contaminated clothing prior to reuse.
Do not ingest.

Storage requirements: Store away from all sources of ignition.
Store away from incompatible materials (See MSDS section 5).
Keep container closed when not in use.
Store in a cool, dry and well ventilated area.

Special shipping information: See transportation information in section 1.

Section 8: FIRST AID MEASURES

Skin contact: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Consult a physician immediately.

Eye contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

Inhalation: Remove victim to fresh air. If not breathing qualified personnel should administer artificial respiration. Get medical attention.
If breathing is difficult, administer oxygen.

Ingestion: Get medical attention immediately.
If conscious, give several glasses of water.
Never give anything by mouth to an unconscious person.

Additional information: To the best of our knowledge, the information contained herein is accurate. However, neither UNIPLEX SOLUTIONS CANADA nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Section 9: ADDITIONAL INFORMATION

General note: This Material Safety Data Sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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