

SULFURIC ACID .24N

Product: R-0811

Section 1: PRODUCT INFORMATION

Chemical family: Inorganic acid solution.

Product uses: Chemical.

Supplier: Lowry & Associates, div. of Chem-Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
4-1151 Gorham Street
Newmarket, ON.
L3Y 8Y1
Tel: 905-836-0505
Fax: 905-895-4539.

Emergency Phone Number: Canutec 613-996-6666.
905-625-9117 (Monday - Friday 9 a.m. - 4 p.m.).

Manufacturer: Taylor Technologies Inc.
31 Loveton Circle
Sparks, MD USA 21152
Tel: 410-472-4340.

TDG classification: SULPHURIC ACID SOLUTION
UN1830
Class 8
PG II.



WHMIS classification:

E, D2B.



DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Product name: Sulfuric Acid .24N.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
7664-93-9	< 5	SULFURIC ACID	0.2 MG/M3	2140 MG/KG RAT ORAL	510 MG/M3/2H RAT INHALATION 320 MG/M3/2H MOUSE INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: Balance: Water (CAS# 7732-18-5).

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Odourless.
Colourless.
Clear

Odor threshold (ppm): Not applicable.

Vapour pressure (mmHg): 17

Vapour density (air=1): .6

Volatiles (%)

By volume: 100%

Evaporation rate (butyl acetate = 1): Not available.

Boiling point (°C): 212F (100C)

Freezing point (°C): Not available.

pH: 1.1

Specific gravity @ 20 °C: 1

Solubility in water (%): Soluble.

Coefficient of water/oil dist.: Not available.

VOC: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.
May ignite combustibles (wood, paper, oil, clothing, etc).

Extinguishing media: Dry chemical.
Carbon dioxide.

Special procedures: Wear a positive-pressure, self-contained breathing apparatus and full protective equipment.

Auto-ignition temperature (°C): Not applicable.

Flash point (°C), method: Not applicable.

Lower flammability limit (% vol): Not applicable.

Upper flammability limit (% vol): Not applicable.

Explosion Data

Sensitivity to static discharge: Not applicable.

Sensitivity to mechanical impact: Not applicable.

Hazardous combustion products: Oxides of sulfur (SO_x).

Explosive power: Contact with certain metals may yield explosive hydrogen gas.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Water
Extreme temperatures.
Extreme heat.

Hazardous polymerization: Not available.

Incompatible substances: Strong alkalis.
Metals.

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Ingestion and skin contact.

Effects of acute exposure

Eye contact: Irritant.
May cause burns.

Skin contact: Irritant.
May cause burns.

Inhalation: May be harmful if inhaled.

Ingestion: May cause gastro-intestinal irritation.

Effects of chronic exposure: Pre-existing eye and skin disorders may be aggravated by exposure to this product.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



General work gloves to minimize skin contact.

Respiratory/Type:




NIOSH approved respirator, if necessary.

Eye/Type: 

Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: 

Lab coat.

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

Ventilation requirements: Ventilate adequately.

Leak/Spill: Wear appropriate protective equipment.
Neutralize with soda ash.
Soak up with inert absorbent.
Place in a closed container for disposal.

Waste disposal: Dispose of all waste in accordance with Local, State, and Federal regulations.

Handling procedures and equipment: Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep out of direct sunlight.
Store in a cool and dry place.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Immediately flush eyes with running fresh water for a minimum of 20 minutes.
Hold eyelids open during flushing. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air.
If breathing is difficult, obtain immediate medical attention.

Ingestion: Give diluted milk of magnesia.
Never give anything by mouth to an unconscious person.
Drink a large amount of water.
Do not induce vomiting, seek immediate medical attention.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

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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