

**MATERIAL
SAFETY DATA
SHEET**

CCI
Columbus Chemical Industries

Chemtrec # (800) 424-9300
National Response Center # (800) 424-8802

9465

020843

NASCO

SB1015
RWH/MS

Sulfuric Acid, 0.1N

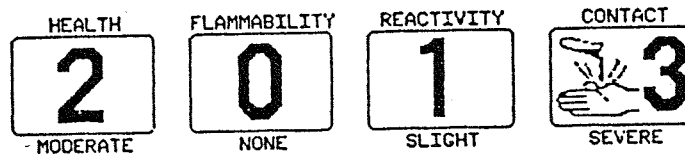
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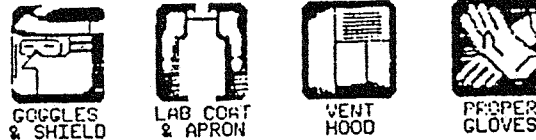
SECTION I - PRODUCT IDENTIFICATION

Product Name: Sulfuric Acid, 0.1N (Also applies to Sulfuric Acid, 1.0N)
Formula: H_2SO_4 Columbus Chemical Industries, Inc.
Formula Wt: 98.08 N4335 Temkin Road
CAS No.: 07664-93-9 Columbus, WI 53925
NIOSH/RTECS No.: W55600000 (414) 623-2140
Product Codes:

PRECAUTIONARY LABELLING



Laboratory Protective Equipment



Precautionary Label Statements

DANGER!

CAUSES BURNS
HARMFUL IF SWALLOWED

Do not get in eyes, on skin, on clothing.
Keep in tightly closed container. Wash thoroughly after handling.

SECTION II - HAZARDOUS COMPONENTS

Component	%	CAS No.
Sulfuric Acid	.3-.5	7664-93-9

SECTION III - PHYSICAL DATA

Boiling Point: N/A Vapor Pressure(mmHg): N/A
Melting Point: N/A Vapor Density(air=1): N/A
Specific Gravity: N/A Evaporation Rate: N/A
($H_2O=1$) (Butyl Acetate=1)

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SECTION III - PHYSICAL DATA (Continued)

Solubility(H₂O): Complete (in all proportions) % Volatiles by Volume: N/A

Appearance & Odor: Clear, odorless liquid.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A NFPA 704M Rating: 3-0-2

Flammable Limits: Upper - N/A % Lower - N/A %

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Toxic Gases Produced

sulfur dioxide

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): 1 mg/m³ (ppm)

Permissible Exposure Limit (PEL): 1 mg/m³ (ppm)

Carcinogenicity: NTP: No IARC: No Z List: No OSHA reg: No

Effects of Overexposure

Contact with skin or eyes may cause severe irritation or burns.

Medical Conditions Generally Aggravated By Exposure

None Identified

Routes Of Entry

inhalation, ingestion, eye contact, skin contact

Emergency and First Aid Procedures

CALL A PHYSICIAN.

If swallowed, do NOT induce vomiting; if conscious, give water, milk, or milk of magnesia.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Wash clothing before re-use.

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SECTION VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Conditions to Avoid: none documented

Incompatibles: most common metals, strong bases

Decomposition Products: oxides of sulfur

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or discharge

Wear self-contained breathing apparatus and full protective clothing. Stop leak if you can do so without risk. Ventilate area. Neutralize spill with soda ash or lime. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

EPA Hazardous Waste Number: D002 (Corrosive Waste)

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep vapor and mist levels as low as possible.

Respiratory Protection: A chemical cartridge respirator with organic vapor cartridge is recommended. If airborne concentration exceeds TLV, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety goggles and face shield, uniform, protective suit, acid-resistant gloves are recommended.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

Storage Color Code:

Special Precautions

Keep container tightly closed. Store in corrosion-proof area.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)

Proper Shipping Name Sulfuric acid

1405

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (Continued)

Hazard Class	Corrosive material (liquid)
UN/NA	UN1830
Labels	CORROSIVE
Reportable Quantity	1000 LBS.

INTERNATIONAL (I.M.O.)

Proper Shipping Name	Sulphuric acid, less than 51% acid
Hazard Class	8
UN/NA	UN1830
Labels	CORROSIVE

N/A = Not Applicable or Not Available

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