

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1367

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Puro Chemical Company		EMERGENCY TELEPHONE NO. 314-533-1790
ADDRESS (Number, Street, City, State, and ZIP Code) 2801 Locust Street, St. Louis, Mo. 63103		
CHEMICAL NAME AND SYNONYMS Sulfuric Acid	TRADE NAME AND SYNONYMS BLAST OFF	
CHEMICAL FAMILY Mineral Acids	FORMULA H₂SO₄	Blast Off

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	540°F	SPECIFIC GRAVITY (H ₂ O=1)	1.84
VAPOR PRESSURE (mm Hg.) @80°F	0.0090	PERCENT, VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	3.38	EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	100%		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	None	Let	Ucl
EXTINGUISHING MEDIA	Fog - Dry - Powder or Water				
SPECIAL FIRE FIGHTING PROCEDURES					
UNUSUAL FIRE AND EXPLOSION HAZARDS					
Reacts with water releasing heat & steam (Highly flammable and explosive hydrogen is generated by the action of acid on most materials)					

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

1Mg/M³ for 8 hour exposure

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

External - flush with water, cover with moist baking soda.**Eyes - Flush with water. See physician immediately.**

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

Do not add water

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

None

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dilute with water - neutralize with either sodium carbonate or bicarbonate.

WASTE DISPOSAL METHOD

Neutralize as above - flush to sewer

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Acid inhaling fumes

VENTILATION

LOCAL EXHAUST

Yes

SPECIAL

Yes

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Yes

EYE PROTECTION

Yes

OTHER PROTECTIVE EQUIPMENT

Full Face Shield

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store cool, dry place. Eliminate possibility of bodily contact as**sulfuric acid produces severe burns and rapid destruction of tissues.**

OTHER PRECAUTIONS

Maintain adequate ventilation where acid is handled. Water should be immediately available at handling areas. Add acid to water - never add water to acid.