

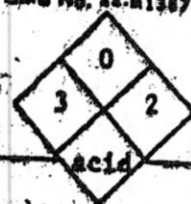
BATTERY ELECTROLYTE (Acid); Battery Fluid, Packed in Polyethylene in Cartons

CAS (7664-93-9)
EPA (8642-747)

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

Form Approved
OMB No. 44-11387

MATERIAL SAFETY DATA SHEET



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

READ ALL ATTACHMENTS CAREFULLY.

SECTION I

READ ALL ATTACHMENTS CAREFULLY.

MANUFACTURER'S NAME
SCHOLLE CORPORATION

EMERGENCY TELEPHONE NO.
312/562-7290

ADDRESS (Number, Street, City, State, and ZIP Code)

200 W. North Avenue, Northlake, Illinois 60164

CHEMICAL NAME AND SYNONYMS

Sulfuric Acid - Battery Electrolyte (Acid)

TRADE NAME AND SYNONYMS

Qual Brand & Private Label Brands

CHEMICAL FAMILY

Inorganic Acid - Sulfuric Acid

FORMULA H_2SO_4

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Unit)	ALLOYS AND METALLIC COATINGS	%	TLV (Unit)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL		
ADDITIVES			PLUS COATING OR CORE FLUX		
OTHERS			OTHERS		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

BATTERY ELECTROLYTE (Acid); Battery Fluid is a highly corrosive mixture of sulfuric acid (H_2SO_4) and pure water (H_2O), possessing a specific gravity ranging from 1.200 ± 0.005 to 1.300 ± 0.005 at $80^\circ F$. (25%-40% H_2SO_4)

The threshold limit value of sulfuric acid per eight (8) hour day is: $1 mg/M^3$

SECTION III - PHYSICAL DATA

BOILING POINT ($^\circ F$)	$203^\circ F$	SPECIFIC GRAVITY (20/20)	1.200 to 1.300 @ $80^\circ F$
VAPOR PRESSURE (mm Hg)	$10 @ 18^\circ F$	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	1	EVAPORATION RATE	1
SOLUBILITY IN WATER	100%	ALL Water (H_2O)	
APPEARANCE AND ODOR	Colorless, oily, to slightly cloudy - Odorless	READ ATTACHED SPECIFICATIONS CAREFULLY	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)					FIRE AND EXPLOSION HAZARD DATA					
Non-Flammable					FLAMMABLE LIMITS		Lel		Uel	
EXTINGUISHING MEDIA										
If this material is involved in a fire, use large quantities of water.										
SPECIAL FIRE FIGHTING PROCEDURES										
Dilute any spilled or leaking battery electrolyte with large amounts of water.										
UNUSUAL FIRE AND EXPLOSION HAZARDS										
Non-Flammable but very reactive - Capable of igniting combustible materials.										
SEE ATTACHED BATTERY COUNCIL INTERNATIONAL SPECIFICATIONS										

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

1mg/M³ per eight (8) hour day.

EFFECTS OF OVEREXPOSURE

Extremely corrosive. Causes severe burns. Repeated contact may cause skin and eye irritation. Repeated inhalation of mist may cause inflammation of lungs.

EMERGENCY AND FIRST AID PROCEDURES

SEE ATTACHED INFORMATION! Immediate washing with large amounts of water for at least (15) minutes is recommended. Contact a physician immediately.

Battery electrolyte does not contain Poly Chlorinated Biphenyls.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

100%

CONDITIONS TO AVOID

All contact with all organic substances.

INCOMPATIBILITY (Materials to avoid)

Incompatible with all metals and all organic substances.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wash entire affected area with plenty of water. If water is not available, use sand or ashes. Do not use cloth, sawdust, or any other combustibles.

WASTE DISPOSAL METHOD

Neutralize with bicarbonate of soda and dilute with water.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION

LOCAL EXHAUST

Satisfactory

MECHANICAL (General)

SPECIAL

OTHER

PROTECTIVE CLOVES

Rubber Gloves

EYE PROTECTION

Chemical Safety Goggles

OTHER PROTECTIVE EQUIPMENT

Rubber Apron, Face Shield, Chemical Safety Goggles, Rubber Gloves

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool, dry place, fully protected from moisture and severe weather. Avoid all handling and storage procedures that may result in spills, leaks, punctures.

OTHER PRECAUTIONS

Only handle and/or store in areas where an unlimited water supply is available.