
MATERIAL SAFETY DATA SHEET

Page 1 of 3
Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

SULFURIC ACID 93%**MSDS ID: 08285**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SULFURIC ACID 93%

Product Code: 08285

Product Function: INORGANIC ACID

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name(CAS Number)	%	Exposure Limits
SULFURIC ACID (7664-93-9)	93	TLV 1; PEL 1

MG/M3

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: NO

Ingestion: YES

4. FIRST AID MEASURES

Eyes: IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF EYES ARE INJURED OR IRRITATION PERSISTS.

Skin: IMMEDIATELY FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.

Ingestion: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: LIQUID CORROSIVE MATERIAL CONTACT WITH METALS WILL PRODUCE HYDROGEN WHICH IS FLAMMABLE.

Extinguishing Media: WATER SPRAY, CO2, DRY CHEMICAL

Fire Fighting Instructions: WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS (SCBA) IN FIRE AREA.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:

CONTAIN SPILL. ABSORB SMALL AMOUNTS ON SAND OR CLAY. PLACE IN COMPATIBLE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ALKALI AND FLUSH TO SANITARY SEWER. WASH AREA THOROUGHLY WITH WATER. CERCLA PRODUCT R.Q.: 1,000 LBS. OR 65 GALLONS.

SULFURIC ACID 93%

MSDS ID: 08285

7. HANDLING AND STORAGE

STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN MOVING OR NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. WHEN DILUTING, ADD SLOWLY WITH STIRRING TO AVOID VIOLENT SPATTERING AND HEAT GENERATION.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: CHEMICAL GOGGLES, SIDE SHIELDED SAFETY GLASSES, OR FACE SHIELD.
Protective Gloves: RUBBER/CHEMICAL RESISTANT.
Respiratory Protection: WEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV IN MIST, SPRAY, OR DUSTY CONDITIONS.
Other Protective Clothing/Equipment: WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDER CLOTHES BEFORE REUSE. SAFETY SHOWER/EYE WASH.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: CLEAR TO SLIGHTLY CLOUDY VISCOUS LIQUID, SLIGHT PUNGENT ODOR.

Boiling Point (F):	535	Freezing Point:	Not Determined
Specific Gravity:	1.8350	pH:	Not Determined
		pH 1% SOLUTION:	Not Determined
Volatile (% by Vol.):	7	Solubility in Water:	100

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: WATER, ALKALIS, ORGANIC MATERIALS, MOST METALS.
Hazardous Decomposition Products: OXIDES OF SULFUR
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Acute: DANGER - CAUSES BURNS TO EYES AND SKIN WITH PAIN, REDNESS AND SWELLING. INHALATION MAY CAUSE IRRITATION OR BURNS TO RESPIRATORY TISSUE WITH COUGHING OR CHOKING. SWALLOWING CAUSES PAIN, NAUSEA AND POSSIBLE TISSUE DAMAGE.

Chronic: NO KNOWN HAZARDS

Medical Conditions Generally Aggravated by Exposure:

SENSITIVE SKIN; DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.

12. ECOLOGICAL INFORMATION

No data available.

SULFURIC ACID 93%

MSDS ID: 08285

13. DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS. TRIPLE RINSE EMPTY CONTAINER AND ADD RINSATE TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING, RECYCLING, OR DISPOSAL OF CONTAINER.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA/313 Toxic Chemicals:

THIS PRODUCT CONTAINS SARA TITLE III, SECTION 313 CHEMICAL SULFURIC ACID (7664-93-9) AT 93%.

CARCINOGENICITY:

Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH

HMIS Ratings: Health: 3 Fire: 0 Reactivity: 2
Personal Protective Equipment: D

State Right-to-Know Information:

SULFURIC ACID - CAS #7664-93-9

WATER - CAS #7732-18-5

16. OTHER INFORMATION

DISCLAIMER: The information contained in this safety data sheet is based on knowledge of this specific product and current national legislation. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the applicability of this information for their particular conditions of storage, handling, and use.