
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

WS-182

MSDS ID: 03190

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WS-182
PRODUCT DESCRIPTOR: INORGANIC ACID
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
SULFURIC ACID (7664-93-9)	93	TLV 1; PEL 1	MG/M3

SOLD BY: DIVERSEY WATER TECHNOLOGY
CHARGIN FALLS, OHIO

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: NO
INGESTION: YES

SIGNS AND SYMPTOMS OF EXPOSURE:

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.

IV. 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.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: NONE	UEL: NONE
UNUSUAL FIRE OR EXPLOSION HAZARDS:		LIQUID CORROSIVE MATERIAL CONTACT WITH METALS WILL PRODUCE HYDROGEN WHICH IS FLAMMABLE.	

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V. FIRE FIGHTING MEASURES (Cont.)

EXTINGUISHING MEDIA: WATER SPRAY, CO2, DRY CHEMICAL
FIRE FIGHTING INSTRUCTIONS: WEAR FULL PROTECTIVE GEAR AND
SELF-CONTAINED BREATHING APPARATUS (SCBA)
IN FIRE AREA.

VI. 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.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: 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.

VIII. 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.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 535 SPECIFIC GRAVITY: 1.8350
VOLATILE BY VOLUME: 7 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): N/A AT 20 C
APPEARANCE AND ODOR: CLEAR TO SLIGHTLY CLOUDY VISCOUS LIQUID, SLIGHT PUNGENT
ODOR.

X. 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

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XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: 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.

XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:
Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:
THIS PRODUCT CONTAINS SARA TITLE III, SECTION 313 CHEMICAL SULFURIC ACID (7664-93-9) AT 93%.
LISTED CARCINOGEN: NONE
NTP: NO IARC: NO OSHA: NO
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

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.