
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 9/19/03
Printed 2/03/04

MBS-9**MSDS ID: 06890**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MBS-9

Product Descriptor: SELF-FOAMING ACID CLEANER.

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
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LINEAR ALCOHOL ETHOXYLATE	68439-46-3	1 - 5%	None est.	
PHOSPHORIC ACID	7664-38-2	5 - 15%	TWA 1 STEL 3	MG/M3
SULFURIC ACID	7664-93-9	15 - 30%	TWA 1	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CORROSIVE - Contains strong acids. Causes severe burn to skin and eyes. May be fatal if swallowed. Do not contact eyes, skin or clothing. Wear goggles, face shield, rubber gloves, and protective clothing and boots when handling product. Avoid breathing dust or spray mist. Contain spill or runoff, which may cause environmental damage. Contact with aluminum or soft metals may release flammable hydrogen fumes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: **EYES:** Severe burns, tissue damage, or irritation with pain, swelling, blurred or impaired vision, blindness. **SKIN:** Severe burns, tissue destruction, blisters or rash with swelling and pain. **INGESTION:** May be fatal. Severe burns to mouth and throat may result with pain, gastric perforation and difficulty in swallowing or breathing. **INHALATION:** Spray or mists cause burns or severe irritation to nose, throat and respiratory tract with pain, choking, and experience difficulty in breathing.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. **NOTE:** Never

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IV. FIRST AID MEASURES (Cont.)

give fluids by mouth to an unconscious person.
INHALATION: If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get immediate medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NA **FLAME EXTENSION:** N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: ND UEL: NONE
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Liquid produces hydrogen on contact with steel or active metals.
EXTINGUISHING MEDIA: Water spray, CO₂, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
ABSORB SMALL AMOUNTS OF FLOOR DRY MATERIAL. COLLECT AND RETURN LARGE AMOUNTS TO DRUM; TREAT SPILL WITH SODIUM BICARBONATE. PRODUCT R.Q. = (SULFURIC ACID) 326 GALLONS
THE REPORTABLE QUANTITY OF SULFURIC ACID IS 358 GALLONS OR 1000 LB OF PRODUCT.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Keep container closed. If frozen, thaw and mix to make usable. Do not pressure container to empty. Keep away from alkalis and chlorinated products.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Face shields.
PROTECTIVE GLOVES: Acid resistant.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: CLOTHING TO PREVENT SKIN CONTACT. EYE WASH IN USE AREA.
ENGINEERING CONTROLS:
VENTILATION: NORMAL AIR DILUTION

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear green liquid; acidic odor.

BOILING POINT (DEG F): 220	FREEZING POINT: ND
SPECIFIC GRAVITY/BULK DENSITY: 1.25	
pH: 1.0	pH 1% SOLUTION: 2.1
VOLATILE BY VOLUME: 60	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE (mmHg): 17.5 at 20 C	VAPOR DENSITY: N/A

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

INCOMPATIBILITY WITH OTHER MATERIALS: Corrosive to aluminum and soft metals.
May remove paint and coatings; Carbonates; Oxidizing agents; Soft metals;
Chlorine and chlorinated compounds; Alkalies; Water; Reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of
sulfur; phosgene; oxides of oxygen; oxides of phosphorus; oxides of carbon

HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: No data available.

TOXICITY TEST DATA:

No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: PRODUCT IS CONSIDERED TO BE D002-CORROSIVE, IF DECLARED
HAZARDOUS WASTE.

Spent or excess product is hazardous waste. Do not discharge to sewer or
environment. Arrange disposal through a licensed disposal company or treat by
special Waste Disposal Sheet. Recycle or dispose of containers by product
labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 5 Lb/Gal VOC: 0.52

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

NONE

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: D

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XV. REGULATORY INFORMATION (Cont.)

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY:1 SPECIAL: Acid

STATE RIGHT-TO-KNOW INFORMATION:

SULFURIC ACID - CAS #7664-93-9

PHOSPHORIC ACID - CAS #7664-38-2

WATER - CAS #7732-18-5

LINEAR ALCOHOL ETHOXYLATE - CAS #68439-46-3

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. 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 handling, and use.