

ALUMINEX

MSDS ID: 07849

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALUMINEX
PRODUCT DESCRIPTOR: ALUMINUM VEHICLE BRIGHTENER
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
HYDROFLUORIC ACID (7664-39-3)	6	TLV C 3; PEL 3	PPM
SULFURIC ACID (7664-93-9)	7	TLV 1; PEL 1	MG/M3
NONYLPHENOXY POLYETHOXY GLYCOL (9016-45-9)			

III. HAZARDS IDENTIFICATION

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

SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: CAUSES SEVERE BURNS WHICH MAY NOT BE IMMEDIATELY PAINFUL OR
VISIBLE. MAY BE FATAL IF SWALLOWED. FLUORIDE POISONING MAY
RESULT FROM INGESTION. MAY AFFECT CENTRAL NERVOUS SYSTEM AND
KIDNEYS.

CHRONIC: SAME AS ACUTE. DECALCIFIES BONES AND MAY MOTTLE (DISCOLOR)
TEETH

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
DERMATITIS. RESPIRATORY CONDITION.

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR 15 MINUTES. GET MEDICAL
ATTENTION.

SKIN: FLUSH WITH LARGE AMOUNTS OF WATER, PARTICULARLY SKIN UNDER
FINGERNAILS/TOENAILS. APPLY COMPRESSES TO SKIN (10% CALCIUM
GLUCONATE GEL) IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER. CALL
PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IMMEDIATELY.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE DEG F FLAME EXTENSION: N/A IN.

FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A

UNUSUAL FIRE OR EXPLOSION HAZARDS: PRODUCT CAN REACT WITH METALS TO FORM
HYDROGEN. HEAT CAN RELEASE FLUORIDE

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V. FIRE FIGHTING MEASURES (Cont.)

EXTINGUISHING MEDIA: VAPORS.
FIRE FIGHTING INSTRUCTIONS: WATER
WEAR PROTECTIVE CLOTHING. PRODUCT AND ITS
SOLUTIONS CAN CAUSE SEVERE BURNS.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: WEAR FULL PROTECTIVE CLOTHING. VENTILATE AREA. DIKE AREA WITH ABSORBENT MATERIAL TO CONTAIN SPILL; PUMP LIQUID TO INTACT CONTAINER. DILUTE RESIDUE WITH WATER AND CAUTIOUSLY NEUTRALIZE WITH SODA ASH. FLUSH RESIDUE TO SEWER SYSTEM WITH PLENTY OF WATER IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. CERCLA PROD PRODUCT R.Q. = (SUFLURIC ACID) 1611 GALLONS

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: CONTAINS HYDROFLUORIC ACID. ANYONE WHO COMES INTO CONTACT WITH THIS PRODUCT SHOULD FOLLOW FIRST AID DIRECTIONS AND IMMEDIATELY GET MEDICAL ATTENTION. STORE CONTAINER TIGHTLY SEALED AWAY FROM ALKALIES AND EXCESSIVE HEAT. DO NOT STORE IN GLASS CONTAINERS.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: SAFETY GLASSES OR FACE SHIELD
PROTECTIVE GLOVES: POLYVINYL CHLORIDE (PVC) GLOVES
RESPIRATORY PROTECTION: PROVIDE NIOSH/OSHA-APPROVED RESPIRATOR IF TLV/PEL LIMITS ARE LIKELY TO BE EXCEEDED.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: RUBBER BOOTS, RUBBER APRON, LONG-SLEEVED CLOTHING
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILIING POINT (F): 212 SPECIFIC GRAVITY: 1.0800
VOLATILE BY VOLUME: 72 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID; PUNGENT ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG ALKALIS, OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, HYDROGEN FLUORIDE
HAZARDOUS POLYMERIZATION: NONE KNOWN

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XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: TRIPLE RINSE CONTAINER WITH COLD WATER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT REUSE 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:
SULFURIC ACID IS NOT CONTAINED IN REPORTABLE FORM (AIRBORNE OR AEROSOL)
LISTED CARCINOGEN: NONE
NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: D
STATE RIGHT-TO-KNOW INFORMATION:
HYDROFLUORIC ACID - CAS #7664-39-3
SULFURIC ACID - CAS #7664-93-9
WATER - CAS #7732-18-5
NONYL PHENOXY POLYETHOXY GLYCOL - CAS #9016-45-9

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.