
MATERIAL SAFETY DATA SHEET

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

E-83

MSDS ID: 07674

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: E-83
PRODUCT DESCRIPTOR: LIQUID CAUSTIC CLEANER
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
SODIUM HYDROXIDE (1310-73-2)	49	TLV 2; PEL 2	MG/M3

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: NO
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: PRODUCT AND SOLUTIONS OF PRODUCT WILL CAUSE IMMEDIATE
DESTRUCTION OF EYE TISSUE ON CONTACT. CORROSIVE TO SKIN AND
EYES. HARMFUL OR FATAL IF SWALLOWED.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

IV. FIRST AID MEASURES

EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. REMOVE AND LAUNDER CONTAMINATED CLOTHING AND FOOTWEAR.
INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION IMMEDIATELY.
INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

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:		NONE KNOWN	
EXTINGUISHING MEDIA:		WATER	
FIRE FIGHTING INSTRUCTIONS:		PRODUCT AND ITS SOLUTIONS ARE CORROSIVE. WEAR PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS IN FIRE AREA.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: SMALL--NEUTRALIZE WITH DILUTE ACID AND FLUSH TO SEWER SYSTEM WITH PLENTY OF WATER. LARGE--DIKE AREA WITH ABSORBENT MATERIAL. PUMP LIQUID TO INTACT CONTAINER. NEUTRALIZE AREA WITH DILUTE ACID. FLUSH TO SEWER SYSTEM WITH PLENTY OF WATER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE CONTAINER TIGHTLY CLOSED IN COOL, DRY AREA AWAY FROM ACIDS. DO NOT LET PRODUCT COME INTO CONTACT WITH ALUMINUM, ZINC, OR PAINTED SURFACES UNLESS PAINT REMOVAL IS DESIRED.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD OR SAFETY GLASSES
PROTECTIVE GLOVES: RUBBER GLOVES
RESPIRATORY PROTECTION: NONE. PROVIDE NIOSH RESPIRATOR FOR CAUSTIC MISTS IF TLV IS EXCEEDED.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: USE RUBBER APRON AND RUBBER BOOTS WHEN DEALING WITH LARGE AMOUNTS.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 289 SPECIFIC GRAVITY: 1.5200
VOLATILE BY VOLUME: 0 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 1.5 AT 20 C
APPEARANCE AND ODOR: CLEAR, AMBER LIQUID; MILD BURNT SUGAR ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: ACIDS, ALUMINUM, ZINC
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: TRIPLE RINSE CONTAINER WITH COLD WATER, THEN DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. CERCLA RQ FOR PRODUCT = 2,041 POUNDS OR 161 GALLONS.

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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:

ALL CHEMICAL INGREDIENTS ARE LISTED ON TSCA INVENTORY. SODIUM HYDROXIDE IS NOT A SARA CHEMICAL.

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:

SODIUM HYDROXIDE - CAS #1310-73-2

SODIUM GLUCOHEPTONATE - CAS #31138-65-5

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.