
MATERIAL SAFETY DATA SHEET

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

D SMOKE

MSDS ID: 07567

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: D SMOKE
PRODUCT DESCRIPTOR: LIQUID ALKALINE 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)	25	TLV C 2; PEL C 2	MG/M3

III. HAZARDS IDENTIFICATION

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

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET
MEDICAL ATTENTION.
SKIN: FLUSH WITH WATER. WASH WITH SOAP AND WATER. GET MEDICAL
ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER, GET
MEDICAL ATTENTION.
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:		PRODUCT WILL REACT WITH ALUMINUM, ZINC AND OTHER SOFT METALS TO GENERATE HYDROGEN. WATER	
EXTINGUISHING MEDIA:		PROVIDE PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS IN FIRE AREA. PRODUCT IS CORROSIVE.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: DIKE AREA WITH ABSORBENT MATERIAL TO CONTAIN SPILL; PUMP LIQUID TO INTACT CONTAINER. NEUTRALIZE AREA WITH DILUTE ACID. FLUSH TO SEWER SYSTEM WITH PLENTY OF WATER. PRODUCT R.Q. = 4,000 LBS. OR 374 GALLONS.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE CONTAINER TIGHTLY CLOSED IN A COOL, DRY AREA.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 230 SPECIFIC GRAVITY: 1.2800
VOLATILE BY VOLUME: 58 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17 AT 20 C
APPEARANCE AND ODOR: CLEAR, LIGHT BROWN LIQUID; MILD, BURNT SUGAR ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: ACIDS, ALUMINUM, ZINC
HAZARDOUS DECOMPOSITION PRODUCTS: CO2, CARBON MONOXIDE, OXIDES OF NITROGEN, SULFUR DIOXIDE
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. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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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 THE TSCA INVENTORY.

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

PROPYLENE GLYCOL - CAS #57-55-6

WATER - CAS #7732-18-5

SODIUM GLUCOHEPTONATE - CAS #13007-85-7

SODIUM DODECYL BENZENE SULFONATE - CAS #25155-30-0

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.