
MATERIAL SAFETY DATA SHEET

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LIQUID DICA**MSDS ID: 01112**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LIQUID DICA
PRODUCT DESCRIPTOR: INHIBITED ACIDIC LIQUID DESCALER
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
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HYDROGEN CHLORIDE (7647-01-0)	<36	TLV C 5; PEL C 5	PPM

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: NO
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CAUSES BURNS TO SKIN AND EYES MISTS ARE CORROSIVE TO SKIN,
EYES AND RESPIRATORY TRACT
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE EYES, SKIN, IMPAIRED PULMONARY FUNCTION.

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.
INGESTION: GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION: REMOVE TO FRESH AIR AND SEEK 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:		HYDROGEN FORMED BY CONTACT WITH IRON, STEEL & REACTIVE METALS.	
EXTINGUISHING MEDIA:		CO2, FOAM	
FIRE FIGHTING INSTRUCTIONS:		WEAR PROTECTIVE GEAR TO PREVENT SKIN CONTACT. WEAR SELF-CONTAINED BREATHING APPARATUS (SCUBA) IN FIRE AREA.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: COLLECT SPILL & RETURN TO CONTAINER/PROCESS IF POSSIBLE. OTHERWISE, ABSORB ON SUITABLE MEDIA AND DISPOSE OF IN ACCORDANCE WITH STATE, LOCAL & FEDERAL REGULATIONS. AVOID CONTACT WITH SKIN DURING CLEANUP. PRODUCT R.Q. = (MURIATIC ACID) 1690 GALLONS

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN COOL PLACE. KEEP CONTAINER CLOSED. DO NOT PRESSURE CONTAINER TO EMPTY. AVOID PRODUCT CONTACT WITH ALKALIS. AVOID CONTACT WITH SKIN AND EYES. WATER DELUGE SYSTEM.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD AND GOGGLES WHEN HANDLING
PROTECTIVE GLOVES: ALKALI RESISTANT WHEN HANDLING
RESPIRATORY PROTECTION: WEAR NIOSH APPROVED RESPIRATOR IF SIGNS OF ACUTE EXPOSURE ARE EXPERIENCED OR IF TLV/PEL LIMITS ARE APPROACHED/EXCEEDED.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: BOOTS AND APRONS ARE RECOMMENDED WHEN POURING THIS MATERIAL.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	230	SPECIFIC GRAVITY:	1.1490
VOLATILE BY VOLUME:	98	SOLUBILITY IN WATER:	100
VAPOR PRESSURE (MMHG):	17.5	AT 20 C	
APPEARANCE AND ODOR:	CLEAR LIQUID; ACIDIC ODOR		

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: CHLORINE RELEASING MATERIALS, STRONG ALKALIS
HAZARDOUS DECOMPOSITION PRODUCTS: HCL WITH INCOMPLETE COMBUSTION
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

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XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION IF POSSIBLE OR PROPERLY DISPOSE OF. REMOVE OR DEFACE LABEL BEFORE RECYCLING OR DISPOSING CONTAINER. PRODUCT CONTAINS NO PHOSPHATES.

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:

HYDROCHLORIC 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: 1

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

HYDROCHLORIC ACID - CAS #7647-01-0

WATER - CAS #7732-18-5

MODIFIED POLYETHOXYLATED ALCOHOL CAS# 68603-25-8

PROPARGYL ALCOHOL CAS# 107-19-7

BUTYL ALCOHOL CAS# 71-36-3

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.