
MATERIAL SAFETY DATA SHEET

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

RR-1000

MSDS ID: 06760

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RR-1000
PRODUCT DESCRIPTOR: ACID TRANSPORTATION 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
NONYLPHENOXYPOLY(ETHYLENEOXY)			
ETHANOL (9016-45-9)	<5	NOT ESTABLISHED	
OXALIC ACID (144-62-7)	<5	TLV 1; PEL 1; STEL 2	MG/M3

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANES. HARMFUL IF SWALLOWED.
CHRONIC: LONG TERM EXPOSURE IN EXCESS OF TLV/PEL MAY CAUSE KIDNEY DAMAGE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN AND IMPAIRED RENAL FUNCTION.

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.
INGESTION: GIVE SEVERAL GLASSES OF WATER. INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION: N/A IN NORMAL OPERATION.

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:		CO2, DRY CHEMICAL, FOAM, WATER	
FIRE FIGHTING INSTRUCTIONS:		WEAR TURNOUT GEAR AND SELF CONTAINED BREATHING APPARATUS IN FIRE AREA.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS TO DRAIN; COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: SAFETY GOGGLES/FACE SHIELD
PROTECTIVE GLOVES: ACID RESISTANT
RESPIRATORY PROTECTION: NONE
OTHER PROTECTIVE CLOTHING/EQUIPMENT: WHEN HANDLING WEAR CHEMICAL RESISTANT APRON.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILIING POINT (F): 212 SPECIFIC GRAVITY: 1.0490
VOLATILE BY VOLUME: <75 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: WATER WHITE-PALE YELLOW, NO ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: CONCENTRATED ALKALIS
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN
HAZARDOUS POLYMERIZATION: NONE KNOWN

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING CONTAINER OR DISPOSAL. ADJUST PH, NO PHOSPHATES. ALL CHEMICALS ARE ON TSCA INVENTORY.

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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:

NONE

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:

OXALIC ACID - CAS #144-62-7, NONYLPHENOXYPOLY(ETHYLENEOXY)

ETHANOL - CAS #9016-45-9, WATER - CAS #7732-18-5,

PROPYLENE GLYCOL - CAS #57-55-6, GLYCOLIC ACID - CAS #79-14-1,

FREE ACID OF COMPLEX ORGANIC PHOSPHATE ESTER - CAS #12737-56-3,

DIETHANOLAMINE-OXALIC ACID SALT - CAS #29870-25-5

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.