
MATERIAL SAFETY DATA SHEET

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

DURAZE**MSDS ID: 01280**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DURAZE
PRODUCT DESCRIPTOR: THICKENED SOLVENT 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
METHYL-2-PYRROLIDONE (872-50-4)	<45	TLV 100 (RECOMMENDED)	PPM

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: PROLONGED OR REPEATED SKIN EXPOSURE CAUSES SKIN DRYNESS,
WHICH MAY LEAD TO DERMATITIS. MAY IRRITATE EYES, SKIN AND
MUCOUS MEMBRANES. HARMFUL IF SWALLOWED
CHRONIC: CONTAINS N-METHYL -2-PYRROLIDONE WHICH IN VERY HIGH
CONCENTRATION IS REPORTED TO BE SUSPECT FETOTOXIC.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN AND EYES

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET
MEDICAL ATTENTION IF IRRITATION CONTINUES.
SKIN: FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES. REMOVE
CONTAMINATED CLOTHES AND SHOES
INGESTION: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET
MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS
PERSON.
INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

FLASH POINT: 144	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: 1%	UEL: 9%
UNUSUAL FIRE OR EXPLOSION HAZARDS:		NONE KNOWN	
EXTINGUISHING MEDIA:		CO2, DRY CHEMICALS, FOAM.	
FIRE FIGHTING INSTRUCTIONS:		USE WATER SPRAY TO COOL CONTAINERS IN FIRE AREA. WEAR PROTECTIVE 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: DO NOT PRESSURE CONTAINER TO EMPTY. KEEP CONTAINER CLOSED. KEEP OUT OF REACH OF CHILDREN. DO NOT STORE, USE OR DILUTE AROUND HEAT, SPARKS OR OPEN FLAMES.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: SAFETY GLASSES OR CHEMICAL GOGGLES
PROTECTIVE GLOVES: CUFFED NEOPRENE OR BUTYL RUBBER-PROPER IH PROCEDURES
IN HANDWASH
RESPIRATORY PROTECTION: NIOSH APPROVED RESPIRATOR IF NECESSARY TO BELOW TLV.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: PROVIDE ADEQUATE VENTILATION AND FACE
SHIELD WHERE PRODUCT MAY BE IN A MIST OR
AEROSOLIZED FORM.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 250 SPECIFIC GRAVITY: 1.1100
VOLATILE BY VOLUME: 98 SOLUBILITY IN WATER: <20
VAPOR PRESSURE (MMHG): >28 AT 20 C
APPEARANCE AND ODOR: CLEAR LIGHT YELLOW LIQUID; PINE ODOR.

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG ACIDS, OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, HYDROGEN
HAZARDOUS POLYMERIZATION: NONE

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 OR DISPOSAL. CONTAINS NO PHOSPHATES. EMULSION BREAKING AND SEPARATION OF INSOLUBLES. DISPOSE OF MATERIALS BY INCINERATION, LANDFILL OR NPDES PERMIT COMPLYING 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:

THIS PRODUCT CONTAINS METHYL-2-PYRROLIDONE (872-50-4) AT 40% WHICH IS SARA REPORTABLE.

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

DIMETHYL GLUTARATE - CAS #1119-40-0

DIMETHYL ADIPATE - CAS #627-93-0

METHYL-2-PYRROLIDONE - CAS #872-50-4

TERPENE HYDROCARBONS - CAS #68956-56-9

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.