

## MATERIAL SAFETY DATA SHEET

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

ZOLV

MSDS ID: 04740

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ZOLV  
PRODUCT DESCRIPTOR: SOLVENT  
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 |
|--------------------------------------|-----|-------------------------------------------|-------|
| METHYLENE CHLORIDE (75-09-2)         | <35 | TLV 50; PEL 500; C 1000;<br>MP 2000       | PPM   |
| PERCHLOROETHYLENE (127-18-4)         | <10 | TLV 50; PEL 100; ST 200;<br>C 200; MP 300 | PPM   |
| PETROLEUM DISTILLATE<br>(64742-48-9) | <60 | TLV 400; PEL 500                          | PPM   |

## III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES  
SKIN: YES  
INGESTION: YES

SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: DEFATS SKIN, CORROSIVE TO EYES. INHILATION CAUSES DIZZINESS, NAUSEA, STUPOR, NARCOTIC ACTION (DRUNKENNESS) AND CENTRAL NERVOUS SYSTEM DEPRESSION. INCREASES CARBOXYHEMOGLOBIN LEVEL IN BLOOD.

CHRONIC: PERCHLOROETHYLENE AND METHYLENE CHLORIDE INHILATION HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS. STUDIES DO NOT PROVIDE ADEQUATE EVIDENCE FOR CARCINOGENICITY IN MAN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
SENSITIVE SKIN AND EYES

## IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER. GET MEDICAL ATTENTION.  
SKIN: FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.  
INGESTION: GIVE MILK OR WATER. INDUCE VOMITING, GET MEDICAL ATTENTION.  
INHALATION: Remove to fresh air.

## V. FIRE FIGHTING MEASURES

FLASH POINT: 191 DEG F FLAME EXTENSION: N/A IN.  
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NONE UEL: NONE  
UNUSUAL FIRE OR EXPLOSION HAZARDS: MAY PRODUCE HCL AND TOXIC GASES AT HIGH TEMPERATURES  
EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICALS

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V. FIRE FIGHTING MEASURES (Cont.)

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FIRE FIGHTING INSTRUCTIONS: NONE

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VI. ACCIDENTAL RELEASE MEASURES

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IF MATERIAL IS RELEASED OR SPILLED: COLLECT WITH FLOOR DRY MATERIAL AND DISPOSE TO SOLID WASTE.SPILLS DO NOT FLUSH TO DRAINS.

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VII. HANDLING AND STORAGE

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HANDLING AND STORAGE PRECAUTIONS: DO NOT PRESSURE CONTAINER TO EMPTY.STORE IN COOL PLACE;KEEP AWAY FROM SPARKS AND HEAT.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EYE/FACE PROTECTION: FACE SHIELD  
PROTECTIVE GLOVES: SOLVENT RESISTANT  
RESPIRATORY PROTECTION: IF PEL/TLV MAY BE EXCEEDED, USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WITH A HIGH EFFICENCY PARTICULATE FILTER.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: BOOT AND APRON  
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

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IX. PHYSICAL AND CHEMICAL PROPERTIES

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BOILIING POINT (F): 115 SPECIFIC GRAVITY: 0.9500  
VOLATILE BY VOLUME: 100 SOLUBILITY IN WATER: <1  
VAPOR PRESSURE (MMHG): <300 AT 20 C  
APPEARANCE AND ODOR: CLEAR LIQUID; ODOR CHLORINATED SOLVENT.

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X. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: STABLE  
INCOMPATIBILITY WITH OTHER MATERIALS: DO NOT PUMP WITH AL PUMP.  
HAZARDOUS DECOMPOSITION PRODUCTS: MAY HAVE HCL AND TOXIC GASES AT HIGH TEMPERATURES  
HAZARDOUS POLYMERIZATION: NONE

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XI. TOXICOLOGICAL INFORMATION

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NO DATA AVAILABLE

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XII. ECOLOGICAL INFORMATION

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NO DATA AVAILABLE

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XIII. DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: HAVE HAULED AWAY. RCRA F001. SELL TO SOLVENT RECOVERY SERVICE. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL

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XIV. TRANSPORT INFORMATION

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HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:  
Please refer to the Bill of Lading/receiving documents for up to date shipping information.

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XV. REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS:  
CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:  
ZOLV CONTAINS THESE SARA TITLE III SECTION 313 CHEMICALS AS INGREDIENTS IN THE FOLLOWING CONCENTRATIONS: DICHLOROMETHANE (METHYLENE CHLORIDE) CAS #75-09-2 AT 34.6% WHICH IS SARA REPORTABLE.  
LISTED CARCINOGEN: YES  
NTP: NO IARC: YES OSHA: NO  
HMIS RATINGS: HEALTH: 3 FIRE: 2 REACTIVITY: 0  
PERSONAL PROTECTIVE EQUIPMENT: D  
STATE RIGHT-TO-KNOW INFORMATION:  
NAPTHA - CAS #8030-20-6  
METHYLENE CHLORIDE - CAS #75-09-2  
PERCHLOROETHYLENE - CAS #127-18-4

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XVI. OTHER INFORMATION

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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.