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**MATERIAL SAFETY DATA SHEET**

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Page 1 of 4  
Revised 2/02/04  
Replaces 8/12/03  
Printed 2/03/04

**OXO-SOLV****MSDS ID: 07128**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: OXFORD OXO-SOLV

Product Discriptor: Sewer degreaser

MANUFACTURER: JOHNSON DIVERSEY, INC.  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800)851-7145

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**II. HAZARDOUS COMPONENTS**

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| Component Name                 | CAS Number | %        | Exposure Limits                | Units      |
|--------------------------------|------------|----------|--------------------------------|------------|
| ALIPHATIC PETROLEUM DISTILLATE | 64742-47-8 | 15 - 30% | PEL 400                        | PPM        |
| AROMATIC PETROLEUM NAPHTHA     | 68477-31-6 | >30%     | None est.                      |            |
| LINEAR ALC. ETHOXYLATE         | 68439-46-3 | 1 - 5%   | None est.                      |            |
| NAPHTHALENE                    | 91-20-3    | 5 - 15%  | TWA 10 STEL 15                 | PPM        |
| 2-BUTOXY ETHANOL               | 111-76-2   | 1 - 5%   | TLV 20 (Skin)<br>PEL 50 (Skin) | PPM<br>PPM |

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

WARNING-Contains chemicals that may cause irritation to eyes and skin. May be harmful if swallowed. Wear eye protection such as goggles or side shield safety glasses, clothing and rubber gloves to prevent prolonged skin contact. Wash after handling. Contain spills and runoff which may harm the environment. POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

ACUTE: EYES: Irritation with pain, swelling and redness may develop. SKIN: Irritation or dryness develop with long contact. INGESTION: If swallowed, gastric distress, diarrhea, nausea or vomiting may occur. If vomiting occurs, petroleum distillates may be inhaled into the lungs and cause chemical pneumonia. INHALATION: Overexposure to vapors may cause dizziness, headache, fatigue and respiratory irritation.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Sensitive skin

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush with plenty of water. Get medical attention.

SKIN: Rinse off product and wash with mild soap and water.

INGESTION: Contains petroleum distillates. Do not induce vomiting because of aspiration hazard. Do not give liquids by mouth except by order of a physician. Contact a physician or Poison Center.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention,

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Page 2 of 4  
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IV. FIRST AID MEASURES (Cont.)

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immediately.

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V. FIRE FIGHTING MEASURES

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FLASH POINT (degrees F): 130 FLAME EXTENSION: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: ND UEL: ND  
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: FLAMMABLE. Avoid exposing to heat, sparks or open flames.  
EXTINGUISHING MEDIA: Carbon Dioxide (CO2), foam or dry powder.  
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.  
SPECIAL INSTRUCTIONS: Avoid use of water which may spread fire.

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VI. ACCIDENTAL RELEASE MEASURES

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IF MATERIAL IS RELEASED OR SPILLED:  
Turn off ignition sources. Contain spill. Absorb onto clay or sand. Place in covered metal container. Wash spill area with soap and water. Dispose of waste in accordance with environmental regulations.  
Reportable Quantity (RQ) of Naphthalene CAS #91-20-3 is 217 gallons or 1,667 lbs.

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VII. HANDLING AND STORAGE

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HANDLING AND STORAGE PRECAUTIONS: COMBUSTIBLE PRODUCT. Store in a cool area away from sparks, heat and open flames. Use with ventilation. Keep container closed when not in use. Do not pressurize container to empty.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EYE/FACE PROTECTION: Safety glasses.  
PROTECTIVE GLOVES: Chemical resistant.  
RESPIRATORY PROTECTION: Respirator protection required if PEL is exceeded. See Section II for information.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.  
ENGINEERING CONTROLS:  
MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.  
LOCAL VENTILATION: Not usually required.

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IX. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR: Thin, amber-colored liquid; acetate odor.

|                                     |                                |
|-------------------------------------|--------------------------------|
| BOILING POINT (DEG F): 320          | FREEZING POINT: Not determined |
| SPECIFIC GRAVITY/BULK DENSITY: 0.92 |                                |
| pH: 9.0                             | pH 1% SOLUTION: ND             |
| VOLATILE BY VOLUME: 93              |                                |
| SOLUBILITY IN WATER: Emulsifiable   |                                |
| VAPOR PRESSURE(mmHg): 7.6 at 20 C   | VAPOR DENSITY: ND              |

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Page 3 of 4  
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**X. STABILITY AND REACTIVITY**

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CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents including chlorinated products.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon and sulfur.

HAZARDOUS POLYMERIZATION: None known.

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**XI. TOXICOLOGICAL INFORMATION**

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Any hazardous effects of the product mixture are based on information for each chemical part. See Section II for amounts of hazardous materials.

TOXICITY TEST DATA:

No data available.

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**XII. ECOLOGICAL INFORMATION**

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ECOTOXICITY DATA: Contains petroleum chemicals which are water insoluble. Do not discharge waste or unused product to sanitary sewer, ponds, waterways or the environment. Dispose of by label or governmental regulations.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

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**XIII. DISPOSAL CONSIDERATIONS**

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RCRA REGULATED: Product is D001 if declared hazardous waste.

Contains petroleum products. Do not discharge to water or sewer. Arrange waste disposal through a licensed disposal company. Dispose of or recycle empty container by product labeling or governmental regulations.

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**XIV. TRANSPORT INFORMATION**

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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:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: Contains no hazardous air pollutants.

VOC CONTENT (EPA Method 24A): % VOC: 94 Lb/Gal VOC: 7.1

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: YES REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 2 FIRE: 2 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: 2 FIRE: 2 REACTIVITY: 0 SPECIAL:

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Page 4 of 4  
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**XV. REGULATORY INFORMATION (Cont.)**

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**STATE RIGHT-TO-KNOW INFORMATION:**

Aromatic Petroleum Naphtha - CAS #68477-31-6

Aliphatic Petroleum Distillate - CAS #64742-47-8

Naphthalene - CAS #91-20-3

2-Butoxy ethanol - CAS #111-76-2

Ethyl acetate CAS #141-78-6

Isobutyl acetate - CAS #110-19-0

Sodium dodecylbenzene sulfonate - CAS #25155-30-0

Linear alcohol ethoxylate - CAS #68439-46-3

**CALIFORNIA PROPOSITION 65:**

None of the ingredients are on the California proposition 65 list.

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**XVI. OTHER INFORMATION**

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**DISCLAIMER:** The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.