

PANNIER CORPORATION
207 SANDUSKY STREET, PITTSBURGH, PA 15212-5823 U.S.A.
MATERIAL SAFETY DATA SHEET

#100 SOLVENT

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FEBRUARY 3, 2004 Rev. 1

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

SECTION I - GENERAL INFORMATION

24 HOUR EMERGENCY TELEPHONE NUMBER: 800-424-9300

INTERNATIONAL EMERGENCY TELEPHONE NUMBER: 703-527-3887

TRADE NAME: #100 SOLVENT
GENERIC NAME: Solvent
CHEMICAL FAMILY: Mixture
CAS NO.: NOT AVAILABLE (MIXTURE)
DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME: PRINTING INK
DOT HAZARD CLASS: Flammable Liquid, PG III (or ORD-D if containers are < or=1 gallon, domestic ground shipments only)
UN/NA ID NO.: UN 1210
HMIS CODES: 1H, 3F, 0R

SECTION II - HAZARDOUS COMPONENTS

| | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS | | WEIGHT PERCENT |
|--------------------------------------|------------|------------------------------|-----------|----------------|
| | | OSHA PEL | ACGIH TLV | |
| Isopropyl Alcohol NJTSRN: 0100REC | 67-63-0 | 400ppm | 400ppm | 30-40 |

SECTION III - PHYSICAL DATA

BOILING RANGE: Approx 225
SPECIFIC GRAVITY (H₂O=1): 0.90
VAPOR DENSITY (Air =1): Approx. 2.8
VAPOR PRESSURE (mm Hg): Approx 12
EVAPORATION RATE (nBuAcet=1): Approx 0.5
% VOLITILE BY VOLUME: 100
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Liquid, moderate

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 82°F
METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 1.7% UPPER: unknown
EXTINGUISHING MEDIA: Multipurpose Foam, CO₂, Dry Chemical, Water Fog
SPECIAL FIREFIGHTING PROCEDURES: Fight as volatile liquid fire. Vapors are dense and may travel to remote ignition source.
UNUSUAL FIRE AND EXPLOSION HAZARDS: During emergency conditions, overexposure to decomposition products may cause a health hazard.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID):Contact with strong acids, strong oxidizing agents
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: carbon monoxide, carbon dioxide, oxides of nitrogen and organic combustion products
HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Slightly irritating to nasal and respiratory tracts. Can cause headache, dizziness, drowsiness, breathing difficulties, nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SKIN: Slightly irritating. Prolonged or widespread contact may lead to defatting or dermatitis. EYES: Slightly irritating. May cause redness and/or blurred vision, but reversible within seven days.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Slightly irritating to gastrointestinal tract. Can cause headache, diarrhea, drowsiness, breathing difficulties, nausea, vomiting.

| | | | | | |
|------------------------------|----------------|--------------------|----|-------------------|----|
| CARCINOGENICITY: None | NTP? No | IARC | No | OSHA | No |
| currently known | | MONOGRAPHS? | | REGULATED? | |

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: Remove to fresh air. Restore breathing. Treat symptoms. Consult a physician. EYES: Flush immediately with water for 15 minutes. See a physician. SKIN: Remove contaminated clothing. Thoroughly wash with soap and large amounts of water. Consult a physician if irritation persists. INGESTION: Minimal Hazard. No significant risk to health. Seek medical attention if any adverse symptoms appear.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Secure area and remove all sources of ignition and heat. Prevent additional discharge of material. Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material. For large spills prevent material from entering sewers or watercourses. Contain spill with sand, or earth dikes. Recover as much as possible by pumping. Treat remainder as small spill. Wear chemical goggles, gloves, boots and protective clothing. Wear respirator if necessary.

WASTE DISPOSAL METHOD: Dispose in compliance with local, state and federal regulations. Refer to MSDS caution information before attempting to cleanup.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Storage temperature: 40-90°F. Shelf life: recommended use within 12 months. Store in tightly closed or properly vented container away from heat, sparks, open flame, or strong oxidizing agents. Containers must be properly grounded and adequate ventilation provided. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released.

OTHER PRECAUTIONS: Use only with adequate ventilation. Dispose of empty containers promptly and properly.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION/VENTILATION: If workplace exposure limits of product or any component is exceeded, NIOSH/MSHA approved respiratory protection must be used.

EYE PROTECTION: Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles or vapor. Contact lenses must not be worn.

SKIN PROTECTION: Depending on the conditions of use, protective gloves, clothing, boots, head and face protection should be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Depending on the conditions of use, protective gloves, clothing, boots, head and face protection should be worn.

ENGINEERING CONTROLS: Provide local exhaust or general room ventilation to minimize exposure to vapors.

SECTION IX - SPECIAL PRECAUTIONS: NO OTHER DATA AVAILABLE

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SECTION X - REGULATORY INFORMATION

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III TOXIC CHEMICAL(S)

SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

SARA 13 RECRA
and 302

| | | |
|-------------------|----|----|
| Isopropyl Alcohol | No | No |
| NJTSRN: 0100REC | No | No |

DISCLAIMER OF LIABILITY

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