



Item # 88870 & 88871

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 04/05/91

PRODUCT NAME: PRECISION BLUE LAYOUT FLUID
 PRODUCT CODE: 50141, 50181 & 50151 FORMULA:
 DOCUMENT NUMBER: 51800 EFFECTIVE DATE: 04/01/91
 DISTRIBUTOR: PRECISION BRAND PRODUCTS, INC. (708) 969-7200
 2250 CURTISS STREET
 DOWNERS GROVE, IL 60515
 EMERGENCY PHONE: CHEMTREC 1-800-424-9300

HAZARDOUS INGREDIENTS

CHEMICAL	CAS#	PERCENTAGE	SARA III*
ETHYL ALCOHOL	64-17-5	50-60	N
CONTAINING:			
METHYL ALCOHOL	67-56-1	3-4	Y
ETHYL ACETATE	141-78-6	<2	N
METHYL ISOBUTYL KETONE	108-10-1	<2	Y
NORMAL BUTYL ACETATE	123-86-4	30-40	N
NORMAL BUTYL ALCOHOL	71-63-3	5-10	Y
ISOPROPYL ALCOHOL	67-63-0	1	N
CELLULOSE NITRATE	9004-70-0	1-5	N
CONTAINING:			
ISOPROPYL ALCOHOL	67-63-0	30	N

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*Chemical is reportable under Sara Title III, sec. 313 (Y=yes, N=no)

FIRST AID PROCEDURES

EYE CONTACT:
 Immediately flush with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN CONTACT:
 Remove all contaminated clothing. Wash skin with soap & water. Get medical attention if indicated.

INHALATION:
 Remove victim to fresh air. Give artificial respiration or oxygen if needed. Get medical attention if indicated.

INGESTION:
 If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

FIRE and EXPLOSION HAZARD INFORMATION

FLASH POINT, Degrees F, method: T.C.C. ...40
 AUTOIGNITION TEMPERATURE...Unknown
 EXPLOSIVE LIMITS IN AIR...Unknown
 EXTINGUISHING AGENTS: Use the following media when fighting fires:
 Water spray/fog, CO2, Dry chemical, Foam
 SPECIAL FIRE FIGHTING INSTRUCTIONS:
 Use self-contained breathing apparatus & protective clothing
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Do not flame cut, weld or saw empty container.

REACTIVITY INFORMATION

STABILITY: Stable

CONDITIONS TO AVOID:

Heat, sparks and open flames

INCOMPATIBILITY (Materials to avoid):

Strong oxidizing materials, acids and alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon upon combustion.

HAZARDOUS POLYMERIZATION:

Will not occur.

HANDLING and STORAGE PRECAUTIONS

EYE PROTECTION:

Chemical safety splash goggles.

SKIN PROTECTION:

Neoprene or natural rubber gloves should be worn.

VENTILATION REQUIREMENTS:

General mechanical ventilation of area is recommended.

RESPIRATORY PROTECTION:

NIOSH recommended, if above TLV.

STORAGE PRECAUTIONS:

Protect against physical damage to containers. Store in a cool, well ventilated area. Keep away from heat and oxidizing materials. Keep out of the reach of children. For industrial use only.

OTHER: Safety shower and eye wash should be available.

SPILL / DISPOSAL PROCEDURES

LARGE SPILLS:

Contain spill and pump to suitable container. Wash area with suitable detergent and water. Thoroughly rinse area with water.

SMALL SPILLS:

Use absorbent material to collect spill and put in appropriate container for disposal. Wash area with suitable detergent and water. Thoroughly rinse area with water.

DISPOSAL METHOD:

Use appropriate container and dispose in an approved, licensed site / facility.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

In case of emergencies involving a spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300

HEALTH HAZARDS

PRIMARY ROUTE(s) OF EXPOSURE: Eyes, skin and inhalation

EYE CONTACT: Product may cause the following:

Moderate irritation on contact, vapors may also be irritating.

SKIN CONTACT: Product may cause the following:

Mild irritation possible: drying and redness.

SKIN ABSORPTION:

Ethyl alcohol may be slightly toxic if absorbed through the skin.

Normal butyl alcohol may be absorbed through the skin.

INHALATION: Product may cause the following:

Irritating to the nose and throat. Headaches, central nervous system depression and nausea possible.

INGESTION: Product may cause the following:

Irritating to the digestive tract and may cause headaches, central nervous system depression and nausea.

CHRONIC EFFECTS OF OVEREXPOSURE:

Overexposure to this product may cause damage to skin, lung, liver, kidney and central nervous system.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Respiratory disease, skin disease, kidney disorders, liver disease and central nervous system disorders.

CARCINOGENICITY:

The ingredients of product have not been identified as a carcinogen by: OSHA NTP IARC

EXPOSURE LIMITS:

CHEMICAL	ACGIH/TLV	OSHA-PEL
ETHYL ALCOHOL	100 ppm	1000 ppm
CONTAINING:		
METHYL ALCOHOL	200 ppm	200 ppm
ETHYL ACETATE	400 ppm	400 ppm
METHYL ISOBUTYL KETONE	50 ppm	50 ppm
NORMAL BUTYL ACETATE	150 ppm (TWA)	150 ppm (TWA)
NORMAL BUTYL ALCOHOL	50 ppm (ceil)	50 ppm (ceil)
ISOPROPYL ALCOHOL	400 ppm (TWA)	400 ppm (TWA)
CELLULOSE NITRATE	not established	not established
CONTAINING:		
ISOPROPYL ALCOHOL	400 ppm	400 ppm

TOXICITY DATA:

CHEMICAL	LD50 RAT, oral	LC50 RAT, inh
ETHYL ALCOHOL	unknown	unknown
CONTAINING:		
METHYL ALCOHOL	5628 mg/kg	unknown
ETHYL ACETATE	6.1 g/kg	16000 ppm/8 H
METHYL ISOBUTYL KETONE	unknown	Lo 4000 ppm/15 min
NORMAL BUTYL ACETATE	14 g/kg	unknown
NORMAL BUTYL ALCOHOL	2.5 g/kg	8000 ppm/4H
ISOPROPYL ALCOHOL	unknown	unknown
CELLULOSE NITRATE	unknown	unknown
CONTAINING:		
ISOPROPYL ALCOHOL	unknown	unknown

ADDITIONAL INFORMATION:

EPA hazardous waste number for Methyl alcohol is U154.
 EPA hazardous waste number for Ethyl acetate is U112.
 EPA hazardous waste number for Methyl isobutyl ketone U161.
 OSHA STEL for NORMAL BUTYL ACETATE: 200 ppm.
 EPA hazardous waste # for NORMAL BUTYL ALCOHOL: U031
 OSHA STEL for ISOPROPYL ALCOHOL: 500 ppm.

PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Blue colored liquid, characteristic odor
pH: Not applicable
SPECIFIC GRAVITY (water=1): 0.860
VAPOR PRESSURE (mmHG at 68 deg. F): 36.0
VAPOR DENSITY (air=1): >1.0
BOILING POINT (degrees F): 160
MELTING POINT (degrees F): Not applicable
SOLUBILITY IN WATER: Partially
EVAPORATION RATE (n-butyl acetate = 1): Faster
PERCENT VOLATILITY BY VOLUME: 94
VOC (lb/gal): 6.6

REGULATORY INFORMATION

Sara Title III, sec. 313: See Hazardous Materials Section

Chemical Control Law Status: All components of this product are listed or are excluded from listing on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

RCRA information: See Spill/Disposal Procedures Section Health Hazards Section, Additional Information.

HMIS RATING: HEALTH - FLAMMABILITY - REACTIVITY: 2-3-0
scale: 1=minimal, 2=moderate, 3=high, 4=extreme

NOTE: This MSDS supercedes all previously dated MSDS for this product.

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, this company makes no warranty, express or implied, concerning the accuracy of these data or the use of this product. For further information, contact PRECISION BRAND PRODUCTS, INC.

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