

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION.

ABDick Company (Chicago)
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Niles, IL 60714
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A.B.DICK PRODUCT NUMBERS:

13-0005-1

~~13-0005-5~~

ITEM NUMBER: 13-00050-1P
ITEM DESCRIPTION: Prime Duplicator Universal Fountain Concentrate (1g1)
PRODUCT DESCRIPTION: Fountain Solution
CHEMICAL FAMILY: Acid Fountain Solution
REVISION DATE: 05/08/01

SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

COMPONENT/CAS #	ACGIH TLV	OSHA PEL	% WT	NOTES
GLYCOL ETHER EB 111-76-2	25 PPM TWA	50 PPM TWA	5-10	
ETHYLENE GLYCOL 107-21-1	50 PPM	50 PPM	1-5	SARA Rep.
ISOPROPYL ALCOHOL 67-63-0	400 PPM	400 PPM	5-10	
OSHA Short Term Exposure Limit(STEL): 500 ppm				

HAZARDOUS IDENTIFICATION CODE:

NFPA RATING:	HEALTH:	2	HMIS RATING:	HEALTH:	2
	FLAMMABILITY:	0		FLAMMABILITY:	0
	REACTIVITY:	0		REACTIVITY:	0

SCALE: 0 = no hazard, 1 = minimal, 2 = moderate, 3 = serious, 4 = extreme

HMIS = Hazardous Materials Identification System

NFPA = National Fire Prevention Association

Personal Protective Equipment (PPE) rating to be supplied by user depending on use conditions.

OTHER COMPONENTS:

The other components are each present in this product in less than 1.0 percent concentration (or 0.1% for carcinogens, reproductive toxins or respiratory sensitizers). The components present in the balance of this product do not contribute any significant additional hazards. All hazard information pertinent to this product has been presented in the remaining sections of this MSDS per the requirements of U.S. Federal Occupational Safety and Health Administration and the Hazard Communication Standard (29 CFR 1910.1200).

SECTION 3 - PHYSICAL CHEMICAL PROPERTIES

FLASH POINT; Method, T.C.C.(deg. F): None
APPEARANCE AND ODOR: Fluorescent pink liquid, alcohol odor
pH: 4.5
SPECIFIC GRAVITY(water = 1.00): 1.012
VAPOR PRESSURE(mmHG @ 68 deg. F)(ASTM): Not available
VAPOR DENSITY(air=1): Not available
ODOR THRESHOLD: Not available
BOILING POINT(degrees F): Not available
MELTING/FREEZING POINT: Not available
Coefficient of oil/water distribution: Not available

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SOLUBILITY IN WATER: Complete
EVAPORATION RATE(n-butyl acetate = 1.00): Slower
PERCENT VOLATILITY BY WEIGHT(including water): 92.0
VOC(Lbs./gal)Method 24: 1.58

SECTION 4 - HEALTH HAZARDS INFORMATION

PRIMARY ROUTE(S) OF EXPOSURE: eyes, skin and respiratory
EYE CONTACT: Product may cause the following: Moderate irritation on contact, vapors may also be irritating.
SKIN CONTACT: Product may cause the following: Depending on the duration of skin contact, skin overexposure may cause reddening and mild irritation.
SKIN ABSORPTION: Ethylene glycol n-butyl ether may be absorbed through the skin. Ethylene glycol is slightly toxic with prolonged or repeated contact. Dermal LD50(rabbit): >1000 mg/kg
INHALATION: When inhaled, this may irritate the nose, throat and lungs.
INGESTION: Product may cause the following: irritating to the digestive tract.
CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact may cause dryness and mild irritation.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate preexisting skin, kidney and lung disorders.
OTHER INFORMATION: TARGET ORGANS: Eyes. Skin. Respiratory system. Liver. Kidneys. Gastrointestinal tract. Prolonged and repeated overexposure to this product may cause central nervous system depression, headaches and nausea. Keep away from foodstuffs. Wash hands prior to food contact.

This product is not reported to cause reproductive effects in humans. Reproductive toxicity data for Ethylene glycol were obtained during clinical studies on test animals exposed to high doses of this compound. Ethylene glycol is regarded as a animal reproductive toxin.

CARCINOGEN SUSPECT: The components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC

SECTION 5 - ACCIDENTAL RELEASE INFORMATION

Disposal of collected product, residues, and cleanup materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations. Mop up, wipe up or soak up with absorbent and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as: several moppings or swabbings with appropriate solvents; washing with mild, caustic detergents or solutions; or high pressure steam for large areas. For nonsilicones, use typical industrial cleaning materials. Observe any safety precautions applicable to the cleaning material being used. Observe all personal protection equipment recommendations. Local, state and federal reporting requirements may apply to spills or releases of this material into the environment.

Spills of any amount made into or upon navigable waters, the contiguous zone, or adjoining

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shorelines, notify the National Response Center at 800-424-8802. If spill in excess of the EPA reportable quantity is released off-site to air, water or land, immediately notify the National Response Center.

SECTION 6 - FIRST-AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for 15 minutes. Remove contact lenses. If irritation persists, seek medical attention.

SKIN CONTACT: If this product contaminates the skin, remove exposed or contaminated clothing. Flush for 15 minutes if overexposure results in irritation.

INHALATION: In case of overexposure, move person to fresh air. No first aid needed with normal use.

INGESTION: If the product is swallowed, have the person drink large amounts of cold milk or water. Call physician immediately for further instructions.

SECTION 7 - FIRE AND EXPLOSION INFORMATION

AUTOIGNITION TEMP: unknown

EXPLOSIVE LIMITS IN AIR: unknown

EXTINGUISHING AGENTS: Use the following media when fighting fires: water spray, CO₂, dry chemical, foam.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Use self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not flame cut, weld or saw empty container.

SECTION 8 - REACTIVITY INFORMATION

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks and open flames

INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen and sulfur

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 9 - HANDLING & STORAGE PROCEDURES

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.

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SECTION 10 - SPILL AND DISPOSAL INFORMATION

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.

SECTION 11 - TOXICOLOGY INFORMATION

	LD50 Rat, oral -----	LC50 Rat, inh. -----
Isopropyl alcohol	5,045 mg/kg	16,000 ppm/4H
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Ethylene glycol n-butyl ether	470 mg/kg	2,900 mg/m3
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Ethylene glycol	4,700 mg/kg	none established

SECTION 12 - ECOLOGY INFORMATION

ALL WORK PRACTICES SHOULD BE AIMED AT PREVENTING ANY RELEASE TO THE ENVIRONMENT.

ENVIRONMENTAL STABILITY: All components of this product are stable in the environment. The solvents in this product may show significant environmental stability by absorption to soil.

EFFECT OF MATERIAL ON PLANTS OR ANIMALS: Impact on plants or animals will be the result of exposure to the solvent components. Plants may be stressed as a result of a large release to the environment. The following aquatic toxicity information as available for the components of this product.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No specific information is available on the effect of this product on aquatic life. The solvent components may cause significant harm to aquatic life, if released to bodies of water in large volume.

SECTION 13 - REGULATORY INFORMATION

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.

CANADIAN DSL/NDL INVENTORY STATUS: The components of this product are listed or are

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excluded from listing on the DSL/NDSL Inventory.

This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) as prescribed by Canadian (WHMIS) regulations.

U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act and are listed as follows:

CHEMICAL NAME	SARA 302/304 (40CFR355)	SARA 311/312 (40CFR355)	SARA 313 (40CFR372)
Glycol Ether EB	No	Yes	Yes
Ethylene Glycol	No	Yes	Yes
Isopropyl Alcohol	No	Yes	Yes

SECTION 14 - TRANSPORTATION INFORMATION

DOT SHIPPING NAME: COMPOUNDS, CLEANING LIQUID
 HAZARDOUS CONTENTS: NONREGULATED
 DOT HAZARD CLASS:
 ID NUMBER:
 PACKAGING TYPE:

The exception for combustible liquids are applicable to non bulk shipments [under 450L (119 gal.)], unless the shipment is via vessel or aircraft. Refer to 49 CFR 173.150 for additional information.

MARINE POLLUTANT: This product does not contain any components which are designed by the Department of Transportation to be marine pollutants per 49 CFR 172.101 Appendix B.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATION: This material is not considered as dangerous goods. The flash point is above 60 deg. C (140 F), and the liquid is not regulated under TC standards.

SECTION 15 - ADDITIONAL INFORMATION

None currently available.

SECTION 16 - END OF DOCUMENT

END OF DOCUMENT

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

DISCLAIMER: The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.

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