

002910

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

326-0601
-0627
-0635
-0643
-0650
-0668Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I	
MANUFACTURER'S NAME Dennison Mfg. Co. - Carter's Ink Division	EMERGENCY TELEPHONE NO. 617-879-0511 X4636
ADDRESS (Number, Street, City, State, and ZIP Code) 300 Howard Street, Building 26-2, Framingham, Massachusetts 01701	
CHEMICAL NAME AND SYNONYMS N/A	TRADE NAME AND SYNONYMS Marks-A-Lot Inks (Permanent, Contract etc.)
CHEMICAL FAMILY N/A	FORMULA N/A

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS	86	200ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	208	SPECIFIC GRAVITY (H ₂ O=1)	.88
VAPOR PRESSURE (mm Hg.)	14	PERCENT, VOLATILE BY VOLUME (%)	79
VAPOR DENSITY (AIR=1)	2.1	EVAPORATION RATE (Bu Ac =1)	1.1
SOLUBILITY IN WATER	∞		
APPEARANCE AND ODOR Colored Liquid - Like Alcohol			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT (Method used)	77 T.C.C.	FLAMMABLE LIMITS	<table border="1"> <tr> <td>LeL</td> <td>UeL</td> </tr> <tr> <td>2.1</td> <td>13.5</td> </tr> </table>	LeL	UeL	2.1	13.5
LeL	UeL						
2.1	13.5						
EXTINGUISHING MEDIA	Water - CO ₂ - Foam						
SPECIAL FIRE FIGHTING PROCEDURES	N/A						
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A						

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Inhalation 4000 ppm/4 hours.
EFFECTS OF OVEREXPOSURE	Irritation to mucous membranes, nausea, dizziness, headaches.
EMERGENCY AND FIRST AID PROCEDURES	Flush skin and eye contact at once with plenty of water.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Heat and flames
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Flush with water.
WASTE DISPOSAL METHOD	Pour into drain with water flushing. If allowed by State and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		N/A
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	N/A	EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT	N/A	N/A

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Store in cool, non-smoking area.
OTHER PRECAUTIONS	

NOTICE FROM DENNISON MFG. CO.

To the best of our knowledge this information is accurate; however, we do not, and cannot warrant or guarantee its accuracy, and cannot be held liable for any damages, consequential or actual which might result from any reliance thereon.

West 8/3/81