

4257-03

(4257-03) U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
Form Approved OSHA No. 101-RI-100
20808-65014
MATERIAL SAFETY DATA SHEET
Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME STAEDTLER MARS GmbH & Co.	62311550 ma d	EMERGENCY TELEPHONE NO. 0911 / 30 80 319
ADDRESS (Number, Street, City, State, and ZIP Code) Moosäckerstraße 3, D-8500 Nürnberg 90		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS CALLIGRAPH DUO 3002 Violet ink	
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	x	TLV (Unit)	ALLOYS AND METALLIC COATINGS	x	TLV (Unit)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Ethylene Glycohol	7	TWA VAPOR 50ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				x	TLV (Unit)
none					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.D.	SPECIFIC GRAVITY (H ₂ O=1)	1.08
VAPOR PRESSURE (mm Hg.)	N.D.	PERCENT VOLATILE BY VOLUME (%)	92
VAPOR DENSITY (AIR=1)	N.D.	EVAPORATION RATE (—=1)	N.D.
SOLUBILITY IN WATER	soluble		
APPEARANCE AND ODOR Violet colored requid with low viscosity			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.D.	FLAMMABLE LIMITS	N.A.	Lel	Uel
EXTINGUISHING MEDIA	N.D.				
SPECIAL FIRE FIGHTING PROCEDURES	N.D.				
UNUSUAL FIRE AND EXPLOSION HAZARDS	none				

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SECTION V - HEALTH HAZARD DATA			
THRESHOLD LIMIT VALUE			
N.D.			
EFFECTS OF OVEREXPOSURE			
N.D.			
EMERGENCY AND FIRST AID PROCEDURES			
Eyes: Immediately flush with water enough and see a physician.			
Skin: Wash with soap water enough.			
Ingestion: Do not induce vomiting, see a phisician immediately.			
SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	none
INCOMPATABILITY (Materials to avoid)			
N.D.			
HAZARDOUS DECOMPOSITION PRODUCTS			
N.D.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	none
SECTION VII - SPILL OR LEAK PROCEDURES			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED			
Wash with water and remove with cloth.			
WASTE DISPOSAL METHOD			
Waste disposal should be in accordance with existing federal, estate and local environmental regulations.			
SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)			
N.D.			
VENTILATION	LOCAL EXHAUST	SPECIAL	
	MECHANICAL (General)	OTHER	
NO			
PROTECTIVE GLOVES		EYE PROTECTION	
Rubber to prevent skin stain		Goggles	
OTHER PROTECTIVE EQUIPMENT			
N.D.			
SECTION IX - SPECIAL PRECAUTIONS			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING			
Storing: avoid high temperature or freezing.			
OTHER PRECAUTIONS			
none			

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