

MATERIAL SAFETY DATA SHEET

MANUFACTURER OR DISTRIBUTOR: **M. Grumbacher, Inc.**  
**Three Englehard Dr.**

**Cranbury NJ 08512**

INFORMATION TELEPHONE NUMBER: **609-655-8282**

EMERGENCY TELEPHONE NUMBER: **800-346-3278**

----- SECTION I - PRODUCT IDENTIFICATION -----

PRODUCT NAME: **COBALT DRIER** PRODUCT NO. **594**

PRODUCT SIZES: **74 ML**

PRODUCT CLASS:

----- SECTION II - HAZARDOUS INGREDIENTS -----

INGREDIENT	CAS#	PEL/TLV (MG/M3)	MAX %WEIGHT	NTP	IARC
SOLUBLE COBALT	7440-48-4	0.05	0.1343	N	N
D-LIMONENE	5989-27-5	N/A	21.0000	N	N

----- SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS -----

BOILING POINT: N/A MELTING POINT: N/A  
VAPOR PRESSURE: N/A  
SPECIFIC VAPOR DENSITY (AIR=1): N/A SPECIFIC GRAVITY: 0.9994  
SOLUBILITY IN WATER: N/A REACTIVITY IN WATER: NON-REACTIVE  
APPEARANCE AND ODOR: DARK VIOLET LIQUID WITH CITRUS ODOR.

----- SECTION IV - FIRE AND EXPLOSION INFORMATION -----

FLASH POINT (METHOD): 139°F TCC AUTOIGNITION TEMPERATURE: N/A  
EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE  
EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED  
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED  
UNUSUAL FIRE & EXPLOSION HAZARDS: **COMBUSTIBLE.**

----- SECTION V - PHYSICAL HAZARDS/REACTIVITY -----

HAZARDOUS POLYMERIZATION PRODUCTS: NONE  
STABILITY: STABLE CONDITIONS TO AVOID: NONE  
IMCOMPATIBILITY (MATERIALS TO AVOID): NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

COMPANY: M. Grumbacher, Inc. PRODUCT: 594  
BRAND NAME: COBALT DRIER

----- SECTION VI - HEALTH HAZARD DATA -----

PERMISSIBLE EXPOSURE LEVEL: SEE SECTION II FOR COMPONENT PEL/TLVs

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, EYE, SKIN

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: MAY BE HARMFUL IF SWALLOWED.

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: EXPOSURE MAY CAUSE DAMAGE TO THE KIDNEYS. EXPOSURE MAY CAUSE DAMAGE TO THE HEART.

CARCINOGEN LISTING: NTP: NO IARC: NO OSHA: NO  
SEE SECTION II FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: CHRONIC DERMATITIS. HEART DISEASE.

FIRST AID MEASURES: If swallowed, get prompt medical attention.

----- SECTION VII - SPILL OR LEAK PROCEDURES -----

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Do not store or use near heat or flame. **KEEP OUT OF REACH OF CHILDREN.**

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: NO SPECIAL SPILL PROCEDURES REQUIRED.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

----- SECTION VIII - PROTECTIVE EQUIPMENT/CONTROL MEASURES -----

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Avoid breathing vapors by assuring adequate cross ventilation.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink or smoke.

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Form Completed by: Woodhall Stepford, MD, MSPH  
Last Updated: 03/11/92