

GRADIA DIE HARDNER
MATERIAL SAFETY DATA SHEET**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****DISTRIBUTOR**

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COMMON NAME: GRADIA DIE HARDNER**CHEMICAL NAME:** N.A.**PRODUCT USE:** Preservation Coating material for dies.

The following information is provided with regard to the toxicity and hazards of the pure components present in this product.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Ethyl Alcohol	64-17-5	TWA=1000ppm (ACGIH) STEL=1000ppm (ACGIH)	N.E.	70-80

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 80°C
VAPOR PRESSURE: N.E.
VAPOR DENSITY: N.E.
SOLUBILITY IN WATER: Soluble
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

SPECIFIC GRAVITY: N.E.
MELTING POINT: N.E.
EVAPORATION RATE: N.E.
ODOR THRESHOLD: N.E.
APPEARANCE AND ODOR: Clear liquid

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 13°C
FLAMMABLE LIMITS: N.E.
EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool. Use equipment or shielding required to protecting against bursting or venting containers.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid
HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: N.A.**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizers**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N.A.**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION**

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY		X						
SENSITIZER		X						

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continuedROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute And Chronic): May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long-term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Aspiration hazard if swallowed. Eye and skin irritant. May irritate respiratory tract. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Inhalation: Difficulty in breathing. Skin: redness. Ingestion: Vomiting.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Heart Disease, Respiratory Disorders.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Get to fresh air. If unconscious, qualified personnel should administer artificial respiration.

INGESTION: Immediately drink a large quantity of water. Contact a physician immediately.

SKIN: Flush with water 15 minutes minimum. If irritation persists, consult a physician.

EYES: Immediately flush with copious amounts of water, lifting eyelids to insure complete removal. Flush with water for 15 minutes minimum. Consult a physician.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Wipe up small spills. For large spills, isolate and ventilate area. Eliminate all ignition sources. Wear protective equipment as required. Pick up with absorbent material. Put in suitable container for proper disposal.

WASTE DISPOSAL METHOD: Dispose of waste in accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Do not get in eyes. Do not get on skin or clothing. Do not use around ignition sources such as heat, sparks, open flames, etc. Do not swallow. Avoid inhaling mist. Follow label directions carefully.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELS or TLVS are exceeded.

VENTILATION: Local Exhaust: Yes Mechanical: Yes Special: N.A. Other: N.A.

PROTECTIVE GLOVES: Rubber gloves.

EYE PROTECTION: Goggles or face shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N.A.

WORK/HYGIENIC PRACTICE: Observe good hygienic practices.

SECTION 9 - PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR

DATE: 09 January 2006

REVIEWED: 22 January 2009

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

The information herein is given in good faith but no warranty expressed or implied is made.

FIRE - 3**TOXICITY - 2****NFPA
REACTIVITY - 1****SPECIAL -**
