

MATERIAL SAFETY DATA SHEET #4

Medical Emergency Telephone (Poison Center): (303) 623-5716
 Chemtrec Emergency Telephone: 1-800-424-9300
 Non-Emergency Telephone: 1-413-525-5870

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: SPECIAL GUMMING SOLUTION

PRODUCT DESCRIPTION: To protect lithographic plates from oxidization.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS (Typical Values)

HAZARDOUS INGREDIENTS	CAS NO.	WT %	ACGIH(TLV)	OSHA(PEL)†
None				
OTHER IMPORTANT INGREDIENTS				
Water	7732-18-5	>98	*NE	*NE
Gum Arabic 14° Baume	9000-01-5	<2	*NE	*NE

†The PEL limit values listed above are published figures from the 1989 Title 29, CFR 1910.1000, Z list using transitional limits.

*None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture is approximately 90% water and is very low in toxicity and not considered a threat to human health. However, in case of spill, always dike and recover free liquid and follow disposal consideration of Section 13.

POTENTIAL HEALTH EFFECTS: Routes of EntryEye, Skin, Inhalation, Ingestion

A. ACUTE EXPOSURE EFFECTS (NOTE: Pertains to Finished Product)

Eye Contact: May cause irritation.
 Skin Contact: May cause irritation.
 Inhalation: Normally no problem, but inhalation of mist could cause respiratory irritation
 Ingestion: May cause irritation of the mucous membranes or digestive tract.

B. CHRONIC HEALTH EFFECTS (NOTE: Pertains to each ingredient listed in Section 2 per 29 CFR Sect. 1910.1200)

A computerized literature search of national databases did not yield any chronic effects associated with these materials. (These databases are researched every six months for any new toxic information.)

Carcinogenicity Listing NTP No IARC No OSHA No

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush with plenty of running water for at least 15 minutes. Obtain medical attention.
Skin: Flush affected areas promptly with water for 15 minutes. Remove contaminated clothing. In case of continued irritation consult physician.
Inhalation: For over-exposure, remove to fresh air.
Ingestion: Obtain immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Not applicable.
Extinguishing Media: None required.
Special Fire Fighting Procedures: None required.
Unusual Fire & Explosion Hazards: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures NOTE: Review Sections 5 and 8 before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike spill. Prevent liquid from entering sewers, waterways, or low areas. Soak up with sawdust, sand, oil dry, or other absorbent material and place in tight, closed, metal containers.

SECTION 7: HANDLING AND STORAGE

Avoid eye and skin contact, and store in well-ventilated area. Keep container tightly closed. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None needed with working mixtures and normal room ventilation.
Ventilation: Room ventilation is sufficient.
Skin and Eye Protection: Splash protection required for eyes, e.g., eye glasses with side shields or goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	212°F
MELTING POINT	Not Applicable
VAPOR PRESSURE (mm Hg) at 20°C	Not Established
VAPOR DENSITY (AIR=1)	Not Established
EVAPORATION RATE: (Butyl acetate = 1)	Not Applicable
VOLATILE FRACTION BY WEIGHT	Not Applicable
SOLUBILITY IN WATER (By Weight %)	100% Miscible
SPECIFIC GRAVITY (H ₂ O=1)	14 Baume
pH	5.0
APPEARANCE	Pale amber to orange brown
ODOR	sweet

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable.
Incompatibility:	None.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological properties of this substance have not been fully investigated.

SECTION 12: ECOLOGICAL INFORMATION

General: Not expected to present any significant ecological problems.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover nonusable free liquid and/or contaminated water, and dispose of in an approved and permitted treatment system; incineration is recommended. Discharge to sewer requires approval of permitting authority.

SECTION 14: TRANSPORTATION INFORMATION

DOT, IMO, IATA/ICAO, Transport Canada

NON REGULATED

NFPA Hazard Rating

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
SPECIAL	None
4 = Extreme	1 = Slight
3 = High	0 = Insignificant
2 = Moderate	

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATION

OSHA: Hazard Communication Rule, 29 CFR, 1910.1200: Not Listed.

TSCA: All ingredients in this finished product are listed on the EPA TSCA Inventory (see Section 2).

CERCLA HAZARDOUS SUBSTANCE (40 CFR 302): Not Listed RQ =

SARA Title III: Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

SARA Hazard Categories: **Immediate** (see Section 3, Acute Health Effects).
Components present in this product at a level which could require reporting under the statute are: None.

CHEMICAL SUBSTANCE	CAS NO.	CONCENTRATION	A	B	C	D	E	F	G
None									
FEDERAL REGULATIONS A = SARA	STATE REGULATIONS B = California Proposition 65 C = Florida D = Rhode Island	INTERNATIONAL REGULATIONS *E = EINECS F = WHMIS (Canada) G = Canadian Domestic Substance List							

*EINECS Number:

SECTION 16: OTHER INFORMATION

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