

31 Incorporated
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MATERIAL SAFETY DATA SHEET

24 Hour Emergency Service: CHEM•TEL INC. (800) 255-3924

I. IDENTIFICATION

PRODUCT NAME: Bead Sealer #14-101 & #14-104
CHEMICAL NAME: N/A CHEMICAL FAMILY: Rubber Compound
FORMULA: Toluene & Natural Rubber Blend MOLECULAR WEIGHT: N/A
SYNONYMS: EDP #0101
DEPARTMENT OF: HAZARD CLASSIFICATION NOS. CFR 49 Flam. Liquid
TRANSPORTATION: CFR 49 SHIPPING NAME: ORM-D
CAS#: N/A CAS NAME: N/A

II. PHYSICAL DATA

BOILING POINT: .760mm Bg FREEZING POINT: N/A
SPECIFIC GRAVITY: N/A VAPOR PRESSURE AT 20° C.: 760 Torr
VAPOR DENSITY: N/A EVAPORATION RATE: N/A
PERCENT VOLATILES BY VOLUME: 90 SOLUBILITY IN WATER (% BY WEIGHT): N/A
APPEARANCE AND ODOR: Black Liquid with Solvent Odor

III. INGREDIENTS

MATERIAL	%	TLV UNITS	HAZARD	CAS#
Toluene*	80 - 85	100 PPM	Flammable - Irritant	108-88-3
Carbon Black:	5	3.5 mg/m3	Irritant	1333386-4
Uncured Natural Rubber	15 - 18			N/A

* All chemical compounds marked with an asterisk are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372

IV. FIRE AND EXPOSURE HAZARD DATA

FLASH POINT (TEST METHODS): 40°F CC
FLAMMABLE LIMITS IN AIR (% BY VOLUME): LOWER: 1.27; UPPER: 7.0
EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & HAZARD EXPLOSION HAZARDS: None

V. HEALTH HAZARD DATA

EXPOSURE LIMITS TLV, PEL, AND SOURCE: Indicated in Section III

ACUTE EFFECTS OF OVEREXPOSURE:

SWALLOWING: May cause gastric irritation
SKIN ABSORPTION: Irritant
INHALATION: Irritant
SKIN CONTACT: Irritant (Mild)
EYE CONTACT: Irritant (Mild)

CHRONIC EFFECTS OF OVEREXPOSURE: N/A

OTHER HEALTH HAZARDS: N/A

EMERGENCY & FIRST AID PROCEDURES

SWALLOWING: Give 2 glasses of water. DO NOT induce vomiting. Call a physician immediately.

SKIN: Wash with soap and water. Remove contaminated clothing.

INHALATION: Give oxygen

EYES: Flush with water for 15 minutes. Get prompt medical attention.

PRIMARY ROUTE OF ENTRY: Inhalation

NOTE TO PHYSICIAN:

VI. REACTIVITY DATA

STABILITY

UNSTABLE: STABLE: X CONDITIONS TO AVOID: See Below

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, strong oxidizing agents.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION

MAY OCCUR: WILL NOT OCCUR: X CONDITIONS TO AVOID: See Below

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

WASTE DISPOSAL METHOD:

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): None

VENTILATION: Keep concentration below LTV

PROTECTIVE GLOVES: EYE PROTECTION: Safety goggles

OTHER PROTECTIVE EQUIPMENT: Work clothes

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Product extremely flammable, may be ignited by heat, sparks, flame or other source of ignition.

OTHER PRECAUTIONS: None

X. CARCINOGEN EVALUATION

None of the raw material components of this product are known or suspected to be carcinogens.

XI. MSDS PREPARATION INFORMATION

THIS MSDS WAS PREPARED BY:

Charles Muhs
Technical Advisor
31 Inc.
100 Enterprise Drive
Newcomerstown, OH 43832

THIS MSDS WAS LAST UPDATED ON: (DATE) Jan. 10, 2003

XII. HMIS RATING

HEALTH:	FLAMMABILITY:	REACTIVITY:	PERSONAL PROTECTIVE EQUIP.:
1	3	0	A

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY THE MATERIALS IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL, EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN HIS USE OF THE MATERIAL.