

31 Incorporated  
P.O. Box 278  
Newcomerstown, OH 43832 USA  
(740) 498-8324

## MATERIAL SAFETY DATA SHEET

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

### I. IDENTIFICATION

PRODUCT NAME: #14-128 Inner Liner Sealer  
CHEMICAL NAME: N/A  
FORMULA: Trade Secret  
SYNONYMS:  
DEPARTMENT OF:  
TRANSPORTATION: Not regulated  
CAS#: None

CHEMICAL FAMILY: N/A  
MOLECULAR WEIGHT:  
HAZARD CLASSIFICATION NOS.  
SHIPPING NAME:  
CAS NAME: None

### II. PHYSICAL DATA

BOILING POINT: 100°  
SPECIFIC GRAVITY:  
VAPOR DENSITY: N/A  
PERCENT VOLATILES BY VOLUME:  
APPEARANCE AND ODOR: Grayish color

FREEZING POINT: 32° F  
VAPOR PRESSURE AT 20° C.:  
EVAPORATION RATE: N/A  
SOLUBILITY IN WATER (% BY WEIGHT):

### III. INGREDIENTS

MATERIAL	%	TLV UNITS	HAZARD	CAS#
Emulsions	5		None	
Butyl Rubber	65 - 75		None	
Water	25 - 35		None	

### IV. FIRE AND EXPOSURE HAZARD DATA

FLASH POINT (TEST METHODS): Non-Flammable  
FLAMMABLE LIMITS IN AIR (% BY VOLUME): LOWER: N/A ; UPPER: N/A  
EXTINGUISHING MEDIA: Non-Flammabl  
SPECIAL FIRE FIGHTING PROCEDURES:  
N/A

UNUSUAL FIRE & HAZARD EXPLOSION HAZARDS:  
N/A

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## MATERIAL SAFETY DATA SHEET

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

### I. IDENTIFICATION

PRODUCT NAME: #14-100 Buffing Solution (Rubber Cleaner)  
CHEMICAL NAME: Mixed Hexane and Xylenes  
FORMULA: Trade Secret  
SYNONYMS:  
DEPARTMENT OF:  
TRANSPORTATION: Flammable Liquid HM181  
CAS#: 1330-20-7 (110-54-3)

CHEMICAL FAMILY:  
MOLECULAR WEIGHT: 6.621

HAZARD CLASSIFICATION NOS. 1B Flammable Liquid  
SHIPPING NAME: UN1268 PG2 Petroleum Distillate NOS  
CAS NAME: N/A

### II. PHYSICAL DATA

BOILING POINT: 66 110 142 C / 151 230 288 F  
SPECIFIC GRAVITY: .77  
VAPOR DENSITY: Heavier than air

FREEZING POINT: N/A  
VAPOR PRESSURE AT 20° C.:  
EVAPORATION RATE: Faster than butyl acetate

PERCENT VOLATILES BY VOLUME: 100.00  
SOLUBILITY IN WATER (% BY WEIGHT): Very slight

APPEARANCE AND ODOR: Liquid, Water - White

### III. INGREDIENTS

MATERIAL	%	TLV UNITS	HAZARD	CAS#
Hexane	25 - 35		Flammable	110-54-3
Xylene	15 - 25		Flammable - Irritant	1330-20-7
Toluene	40 - 50		Flammable	108-88-3

### IV. FIRE AND EXPOSURE HAZARD DATA

FLASH POINT (TEST METHODS): -15° C / 9° F TCC  
FLAMMABLE LIMITS IN AIR (% BY VOLUME): LOWER: N/A ; UPPER: N/A  
EXTINGUISHING MEDIA: Class B (Carbon Dioxide or Foam)  
SPECIAL FIRE FIGHTING PROCEDURES:  
Water spray, use fog nozzle if water is used. DO NOT enter confined fire space without full fire gear.

UNUSUAL FIRE & HAZARD EXPLOSION HAZARDS:  
Extremely flammable

### IX. SPECIAL PRECAUTIONS

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Follow safe work / manufacturing practices.

#### 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) April 6, 2000

### XII. HMIS RATING

HEALTH:  
2

FLAMMABILITY:  
3

REACTIVITY:  
0

PERSONAL PROTECTIVE EQUIP.:  
X

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.

### V. HEALTH HAZARD DATA

EXPOSURE LIMITS TLV, PEL, AND SOURCE: 250 PPM

ACUTE EFFECTS OF OVEREXPOSURE:

SWALLOWING: May cause nausea, vomiting & diarrhea  
SKIN ABSORPTION: Irritation  
INHALATION: May cause dizziness  
SKIN CONTACT: Irritation  
EYE CONTACT: Irritation, redness, tearing

CHRONIC EFFECTS OF OVEREXPOSURE: None known

OTHER HEALTH HAZARDS: None known

### EMERGENCY & FIRST AID PROCEDURES

SWALLOWING: DO NOT induce vomiting. Seek immediate medical attention.  
SKIN: Wipe off and rinse with water.  
INHALATION: Give oxygen  
EYES: Flush with water for 15 minutes. Obtain medical attention from physician.

PRIMARY ROUTE OF ENTRY: Inhalation

NOTE TO PHYSICIAN:

### VI. REACTIVITY DATA

#### STABILITY

UNSTABLE: STABLE: X CONDITIONS TO AVOID: N/A  
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxydizers  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: CO or CO2

#### HAZARDOUS POLYMERIZATION

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

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Contain spill, provide adequate ventilation, keep people away, extinguish all ignition sources, use dry absorbent.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local regulations.

### VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): None  
VENTILATION: Yes  
PROTECTIVE GLOVES: None EYE PROTECTION: Safety Glasses  
OTHER PROTECTIVE EQUIPMENT: None

### IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
Normal good housekeeping practices.

OTHER PRECAUTIONS:

### X. CARCINOGEN EVALUATION

### 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) April 6, 2000

### XII. HMIS RATING

HEALTH:	FLAMMABILITY:	REACTIVITY:	PERSONAL PROTECTIVE EQUIP.:
0	0	0	0

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### V. HEALTH HAZARD DATA

EXPOSURE LIMITS TLV, PEL, AND SOURCE: Not considered to be a health hazard

ACUTE EFFECTS OF OVEREXPOSURE:

SWALLOWING: None known  
SKIN ABSORPTION: None known  
INHALATION: None known  
SKIN CONTACT: None known  
EYE CONTACT: None known

CHRONIC EFFECTS OF OVEREXPOSURE: None known

OTHER HEALTH HAZARDS: None known

### EMERGENCY & FIRST AID PROCEDURES

SWALLOWING: DO NOT induce vomiting. Seek immediate medical attention.  
SKIN: Wash with soap and water after handling  
INHALATION:  
EYES: Flush with water for 15 minutes

PRIMARY ROUTE OF ENTRY: None known

NOTE TO PHYSICIAN:

### VI. REACTIVITY DATA

#### STABILITY

UNSTABLE: STABLE: X CONDITIONS TO AVOID: Do not freeze.

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Non-Flammable

#### HAZARDOUS POLYMERIZATION

MAY OCCUR: WILL NOT OCCUR: CONDITIONS TO AVOID: Freezing

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Recover free material and flush spill with water.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Federal, State, and Local regulations.

### VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A

VENTILATION: Local Exhaust

PROTECTIVE GLOVES: Desired

EYE PROTECTION: Safety goggles

OTHER PROTECTIVE EQUIPMENT: Apron