

**31 Incorporated  
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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 CHEMICAL FAMILY:  
FORMULA: Trade Secret MOLECULAR WEIGHT:6.621  
SYNONYMS:  
DEPARTMENT OF HAZARD CLASSIFICATION NOS. 1B Flammable Liquid  
TRANSPORTATION: Flammable Liquid HM181 SHIPPING NAME: ORM-D  
CAS#: 1330-20-7 (110-54-3) CAS NAME: N/A

#### II. PHYSICAL DATA

BOILING POINT: 66 110 142 C / 151 230 288 F FREEZING POINT: N/A  
SPECIFIC GRAVITY: .77 VAPOR PRESSURE AT 20° C.:  
VAPOR DENSITY: Heavier than air 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 V.O.C. : 100%

#### III. INGREDIENTS

MATERIAL	%	TLV UNITS	HAZARD	CAS#
Hexane	45 - 55		Flammable	110-54-3
Xylene	35 - 40		Flammable - Irritant	1330-20-7
Heptane	5 - 10		Flammable	142-82-5

#### 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 of 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

**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:**

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.  
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**THIS MSDS WAS LAST UPDATED ON:** (DATE) July 13, 2005

**XII. HMIS RATING**

<b>HEALTH:</b>	<b>FLAMMABILITY:</b>	<b>REACTIVITY:</b>	<b>PERSONAL PROTECTIVE EQUIP.:</b>
2	3	0	X

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