

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 Acetone 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: 180° F / 82.2° C FREEZING POINT: N/A  
SPECIFIC GRAVITY: .76 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	35 – 45		Flammable	110-54-3
Heptane	35 – 45		Flammable	142-82-5
Acetone	10 – 20		Flammable - Irritant	67-64-1

### 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) Jan. 1, 2010

**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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