

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 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

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 oxidizers

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.
100 Enterprise Drive
Newcomerstown, OH 43832

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

XII. HMIS RATING

HEALTH:	FLAMMABILITY:	REACTIVITY:	PERSONAL PROTECTIVE EQUIP.:
2	3	0	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.