

# MATERIAL SAFETY DATA SHEET

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| HMIS HAZARD RATING  |   |
|---------------------|---|
| HEALTH              | 1 |
| FIRE                | 2 |
| REACTIVITY          | 0 |
| PERSONAL PROTECTION | A |

DATE OF PREPARATION  
DECEMBER 18, 2002  
BY TECHNICAL SERVICES

DATE OF REVIEW/UPDATE  
JULY 25, 2006

## SECTION 1 - PRODUCT IDENTIFICATION

ITEM NUMBER

**1287**

PRODUCT NAME

**TEC99411 TECHNICIAN'S CHOICE LEATHER VINYL CLEANER W/MINK**

PRODUCT CLASS

AEROSOL CLEANER

## SECTION 2 - HAZARDOUS INGREDIENTS

| INGREDIENT<br>CAS NUMBER                | MAXIMUM<br>% BY WT. | TLV <sup>1</sup> | PEL <sup>2</sup> |
|---|---------------------|------------------|------------------|
| 2-BUTOXYETHANOL<br>111-76-2             | 5                   | 25ppm            | 50ppm            |
| ALKYL DIMETHYL AMINE OXIDE<br>1643-20-5 | 5                   | UNKNOWN          | UNKNOWN          |
| QUARTERNARY AMMONIUM<br>5197-80-8       | .5                  | UNKNOWN          | UNKNOWN          |
| SODIUM ETHYLENE DIAMINE<br>64-02-8      | 5                   | UNKNOWN          | UNKNOWN          |
| LIQUIFIED PETROLEUM GAS                 | 5                   | 1000ppm          | 1000ppm          |

Listed as IARC, NTP, or OSHA Carcinogen: None

## SECTION 3 - PHYSICAL CHARACTERISTICS

BOILING POINT: NA  
SPECIFIC GRAVITY: 0.9+/-  
VAPOR PRESSURE(psig): 115@130F  
MELTING POINT: Unknown  
VAPOR DENSITY(AIR=1): >1  
EVAPORATION RATE(acetate=1): <1  
SOLUBILITY IN WATER >10%  
APPEARANCE AND ODOR: semi-stable foam, floral/ammonia odor

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT (PROPELLANT) / METHOD: -160 F / (estimated)

FLAMMABLE LIMITS: LEL : 1.8 UEL : 9.2

**EXTINGUISHING MEDIA:** Water fog, dry chemical, foam or carbon dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES:** Full protective equipment including self contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Isolate from heat, electrical equipment, sparks, and open flame. closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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SECTION 5 - HEALTH HAZARD DATA  
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**EFFECTS OF OVEREXPOSURE:** Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

**ACUTE HEALTH HAZARDS:** Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None generally recognized

**CHRONIC HEALTH HAZARDS:** 2-Butoxyethanol may cause corneal injury and blood abnormalities, may be absorbed through the skin with toxic effects and may cause damage to the spleen and testes. Prolonged overexposure to solvent ingredients in (Section 2) may cause adverse effects to the lung, liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove exposure. Restore breathing. Keep warm and quite.

**SKIN:** Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.

**EYES:** Flush with large amounts of water. Get medical attention.

**IF SWALLOWED:** Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Seek medical attention.

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SECTION 6 - REACTIVITY DATA  
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STABILITY: Stable  
INCOMPATIBILITY: acids aluminum brass, silver,  
copper, zinc, strong alkalis,  
strong oxidizers, hypochlorites,  
reactive metals, metallic mercury  
HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, carbon dioxide,  
HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 7 - SPILL OR LEAK PROCEDURES  
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**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR LEAKED:** Remove all sources of ignition. Ventilate and remove with inert absorbent.  
**WASTE DISPOSAL METHOD:** Waste from this product may be hazardous as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. De-pressurize container. Dispose of in accordance with federal, state and local regulations.

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SECTION 8 - SPECIAL PROTECTION INFORMATION  
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**VENTILATION:** Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.  
**RESPIRATORY PROTECTION:** If exposure cannot be controlled below the limits in SECTION 2 a properly fitted organic vapor/particle type NIOSH/MSHA approved respirator. Refer to OSHA 1910.94, 1910.107, 1910.108.  
**SKIN PROTECTION:** Gloves rated for protection against ingredients in SECTION 2.  
**EYE PROTECTION:** Safety glasses with side shields or chemical goggles.

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SECTION 9 - PRECAUTIONARY INFORMATION  
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**DOL STORAGE CATEGORY:** 1A  
**PRECAUTIONS TO BE TAKEN IN STORING AND HANDLING:** Contents are extremely flammable. Keep away from any heat or spark source. Vapors will accumulate readily and may ignite explosively. Do not smoke and turn off any source of ignition before use. Consult NFPA CODE. Contents under pressure, do not puncture incinerate or expose container to elevated temperatures that could cause the container to burst. Heat from sunlight, radiators, stoves, hot water or other sources of heat could cause the container to burst.

SECTION 10 - US FEDERAL REGULATORY INFORMATION

**D.O.T. REQUIREMENTS (49CFR 172.101)**

CONSUMER COMMODITY, ORM-D

**RQ 49CFR 172.101 (REPORTABLE QUANTITY)**

|           |          |                 |
|-----------|----------|-----------------|
| COMPONENT | RQ (lb.) | OF THIS PRODUCT |
|-----------|----------|-----------------|

NONE

**TSCA (Toxic Substances Control Act) Status**

The intentional ingredients of this product are listed.

**CERCLA RQ - 40CFR 302.4**

|           |          |                 |
|-----------|----------|-----------------|
| COMPONENT | RQ (lb.) | OF THIS PRODUCT |
|-----------|----------|-----------------|

NONE

**SARA 302 COMPONENTS - 40CFR 355 Appendix A**

|           |           |          |
|-----------|-----------|----------|
| COMPONENT | TPQ (lb.) | RQ (lb.) |
|-----------|-----------|----------|

NONE

**SECTION 311/312 HAZARD CLASS - 40CFR 370.2**

|           |     |                            |     |
|-----------|-----|----------------------------|-----|
| Immediate | (X) | Reactive                   | ( ) |
| Delayed   | (X) | Sudden Release of Pressure | ( ) |
| Fire      | (X) |                            |     |

**SARA 313 COMPONENTS - 40CFR 372.65**

|           |            |                 |
|-----------|------------|-----------------|
| COMPONENT | CAS NUMBER | MAXIMUM PERCENT |
|-----------|------------|-----------------|

|                 |          |    |
|-----------------|----------|----|
| as glycol ether | 111-76-2 | 10 |
|-----------------|----------|----|

**WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)**

|                             |                  |                       |         |
|-----------------------------|------------------|-----------------------|---------|
| INGREDIENT                  | MAX. %<br>BY WT. | LD50                  | LC50    |
| 2-BUTOXYETHANOL<br>111-76-2 | 10               | 1480mg/kg<br>oral-rat | unknown |

The information contained herein is based on data we believe to be correct. Any use of the product which is not in conformance with this MSDS or which involves using the product in combination with any other product or any process is the responsibility of the user.

<sup>1</sup> ACGIH

<sup>2</sup> OSHA