MATERIAL SAFETY DATA SHEET

Date Issued: 04/23/2012
MSDS No: 1611-P

Acetone

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acetone
PRODUCT DESCRIPTION: Acetone
PRODUCT CODE: 1611-P
ACTIVE INGREDIENT(S): Acetone

MANUFACTURER
Techspray, L.P.
1001 N.W. 1st Street
P.O. Box 949
Amarillo, TX 79107

Emergency Contact: Chemtrec
Emergency Phone: 1-800-858-4043
Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC CCN#21858 (US Transportation) : (800) 424 - 9300
CANUTEC (Canadian Transportation) : (613) 996 - 6666
Emergency Phone: (800) 858 - 4043

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless, Volatile Liquid

IMMEDIATE CONCERNS: Flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system.

POTENTIAL HEALTH EFFECTS

EYES: Severely irritating to the eyes.
SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
SKIN ABSORPTION: None Expected.
INGESTION: Harmful: may cause lung damage if swallowed.
INHALATION: Harmful if inhaled. Prolonged or repeated inhalation may cause lung damage and/or central nervous system disturbances.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Symptoms of overexposure include: stinging, tearing, redness and pain.
SKIN: Prolonged exposure causes redness, pain, drying and cracking of the skin.
SKIN ABSORPTION: None Expected.
INGESTION: For large amounts; abdominal pain, nausea and vomiting.
INHALATION: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

ACUTE TOXICITY: Substance causes severe eye irritation. Injury may be permanent.
CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).
CARCINOGENICITY: None Expected.
MUTAGENICITY: None Expected.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.
TERATOGENIC EFFECTS: None Expected.
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**Acetone**

**MEDICAL CONDITIONS AGGRAVATED:** Use of alcoholic beverages enhances toxic effects.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
<th>EINECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>99 - 100</td>
<td>67-64-1</td>
<td>200-662-2</td>
</tr>
</tbody>
</table>

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

**INGESTION:** Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** -18°C CC

**FLAMMABLE LIMITS:** 2.1 to 13.0

**AUTOIGNITION TEMPERATURE:** 540°C (1004°F)

**GENERAL HAZARD:** Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**EXPLOSION HAZARDS:** Vapors may form explosive mixture with air.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** -Implement cleanup procedures. -If in public area, keep public away and advise authorities. - Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store in a cool dry place.

**HANDLING:** Ground and bond containers when transferring material.

**STORAGE:** Do not store near combustible materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
<th>OSHA PEL ppm</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV ppm</th>
<th>ACGIH TLV mg/m³</th>
<th>SupplierOEL ppm</th>
<th>SupplierOEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>750</td>
<td>1800</td>
<td>1000</td>
<td>2400</td>
<td>750</td>
<td>1780</td>
<td>1000</td>
<td>2380</td>
<td>NL</td>
<td>NL</td>
</tr>
</tbody>
</table>

OSHA TABLE COMMENTS:
1. NL = Not Listed

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Where prolonged contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and/or chemical safety goggles plus a face shield. Chemical resistant PPE constructed of PVA, Neoprene or Butyl rubber should be used. Any contaminated clothing should be promptly removed, washed, and checked for permeation before reuse.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic odor.

APPEARANCE: Clear, Colorless liquid

pH: Not Applicable

PERCENT VOLATILE: 100

VAPOR PRESSURE: 24.7 kPa at 20°C

VAPOR DENSITY: 2 (Air=1)

BOILING POINT: 56.29°C (133.32°F)

FREEZING POINT: -96.54°C (-141.77°F)

MELTING POINT: None

FLASHPOINT AND METHOD: -18°C CC

SOLUBILITY IN WATER: Fully miscible

EVAPORATION RATE: 14.4 (n-Butyl Acetate=1)

DENSITY: 0.792 at 20°C

SPECIFIC GRAVITY: 6.608 (water=1)
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**VISCOSITY #1:** 0.33 mPa.s at 20°C
**MOLECULAR WEIGHT:** 58.08 g/mol

10. STABILITY AND REACTIVITY

**STABLE:** Yes
**HAZARDOUS POLYMERIZATION:** No
**STABILITY:** Stable.
**POLYMERIZATION:** Will not occur.
**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatables.
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO2) may form when heated to decomposition.
**INCOMPATIBLE MATERIALS:** Concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

11. TOXICOLOGICAL INFORMATION

**ACUTE**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD&lt;sub&gt;50&lt;/sub&gt; (rat)</th>
<th>DERMAL LD&lt;sub&gt;50&lt;/sub&gt; (rabbit)</th>
<th>INHALATION LC&lt;sub&gt;50&lt;/sub&gt; (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>5800 mg/kg</td>
<td>20 g/kg</td>
<td>50100 ppm</td>
</tr>
</tbody>
</table>

**EYES:** 20 mg
**Notes:** Irritation eye rabbit, severe
**ORAL LD<sub>50</sub>:** > 2000 mg/kg (rat)
**INHALATION LC<sub>50</sub>:** > 5000 ppm, 1 hour, Rat

**CARCINOGENICITY**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NTP Status</th>
<th>IARC Status</th>
<th>OSHA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>NOT LISTED</td>
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**IARC:** NOT listed
**NTP:** NOT listed
**OSHA:** NOT listed
**Notes:** ACGIH Group A4: Not classifiable as a human carcinogen.

12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Low toxicity: LC/EC/IC<sub>50</sub> > 1000 mg/l
**BIOACCUMULATION/ACCUMULATION:** Not expected to bioaccumulate significantly.

13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.
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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
FIRE: Yes PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

EPCRA SECTION 313 SUPPLIER NOTIFICATION

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CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
CERCLA REGULATORY: Acetone (67-64-1)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CERCLA RQ</th>
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</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>99 - 100</td>
<td>5000 lbs.</td>
</tr>
</tbody>
</table>

CERCLA RQ: 5000 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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RCRA STATUS: U002

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon TITLE: Chemist

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