# MATERIAL SAFETY DATA SHEET

**Acetone**

## 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME:</th>
<th>Acetone</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT DESCRIPTION:</td>
<td>Acetone</td>
</tr>
<tr>
<td>PRODUCT CODE:</td>
<td>1611-P</td>
</tr>
<tr>
<td>ACTIVE INGREDIENT(S):</td>
<td>Acetone</td>
</tr>
</tbody>
</table>

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

### 24 HR. EMERGENCY TELEPHONE NUMBERS

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

### Service Number:
1-800-858-4043

## 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.
MATERIAL SAFETY DATA SHEET

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>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
<td>ppm</td>
</tr>
<tr>
<td>Acetone</td>
<td>TWA</td>
<td></td>
<td>STEL</td>
</tr>
<tr>
<td></td>
<td>750 ppm</td>
<td>1800 mg/m³</td>
<td>1000 ppm</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)
MATERIAL SAFETY DATA SHEET

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

Acetone

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_{50} (rat)</th>
<th>DERMAL LD_{50} (rabbit)</th>
<th>INHALATION LC_{50} (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_{50}: > 2000 mg/kg (rat)
INHALATION LC_{50}: > 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>
<td>NOT LISTED</td>
<td>NOT LISTED</td>
</tr>
</tbody>
</table>

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_{50} > 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.
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

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

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>
</tr>
</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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
</tr>
</tbody>
</table>

RCRA STATUS: U002

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon  TITLE: Chemist

MANUFACTURER DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, L.P., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.