1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Turbo-Coat Acrylic Coating  
**PRODUCT DESCRIPTION:** Acrylic conformal coating  
**PRODUCT CODE:** 2108-12S  
**ACTIVE INGREDIENT(S):** Acrylic Polymer (non-hazardous); n-Propyl acetate; Acetone

**MANUFACTURER**  
Techspray, L.P.  
1001 N.W. 1st Street  
P.O. Box 949  
Amarillo TX 79107  
Emergency Contact: Chemtrec  
Product Stewardship: 1-800-858-4043  
Service Number: 1-800-858-4043

**24 HR. EMERGENCY TELEPHONE NUMBERS**  
CHEMTREC (US Transportation): (800) 424 - 9300  
CANUTEC (Canadian Transportation): (613) 996 - 6666  
Emergency Phone: (800) 858 - 4043

2. HAZARDS IDENTIFICATION

**HAZARD DESIGNATION**  
"F" - Highly flammable  
R11 - Highly flammable.

**EMERGENCY OVERVIEW**  
**IMMEDIATE CONCERNS:** Flammable liquid and vapor. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

**POTENTIAL HEALTH EFFECTS**  
**EYES:** Substance causes substantial eye irritation.  
**SKIN:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).  
**INGESTION:** Moderately toxic. May cause headaches and dizziness.  
**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.  
**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).

3. COMPOSITION / INFORMATION ON INGREDIENTS

[Table or list of ingredients and their concentrations if available]
MATERIAL SAFETY DATA SHEET

Turbo-Coat Acrylic Coating

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
<th>EINECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Polymer (non-hazardous)</td>
<td>5 - 15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Propyl acetate</td>
<td>20 - 40</td>
<td>109-60-4</td>
<td>2036861</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>5 - 15</td>
<td>142-82-5</td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>10 - 30</td>
<td>67-64-1</td>
<td>200-662-2</td>
</tr>
<tr>
<td>1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate</td>
<td>1 - 5</td>
<td>88917-22-0</td>
<td></td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane</td>
<td>30 - 50</td>
<td>811-97-2</td>
<td>212-337-0</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: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting. Give milk or water. Get immediate medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 1.4°C (35°F) TAG CC

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.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes and oxides of carbon.

EXPLOSION HAZARDS: Vapors may form explosive mixture with air.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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: Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not flush to sewer.

GENERAL PROCEDURES: Forms smooth, slippery surfaces on floors, posing an accident risk. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section). Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.
7. HANDLING AND STORAGE

HANDLING: Ground and bond containers when transferring material.

STORAGE: Store in a cool place in original container and protect from sunlight. Keep away from heat and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EXPOSURE LIMITS</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV</td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SupplierOEL</td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td>n-Propyl acetate</td>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>250 ppm</td>
<td>250 ppm</td>
</tr>
<tr>
<td>n-Heptane</td>
<td></td>
<td>TWA</td>
<td>400 ppm</td>
<td>1600 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>500 ppm</td>
<td>2000 mg/m³</td>
</tr>
<tr>
<td>Acetone</td>
<td></td>
<td>TWA</td>
<td>750 ppm [1]</td>
<td>1800 mg/m³ [1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>1000 ppm</td>
<td>2400 mg/m³</td>
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<tr>
<td>1,1,1,2-Tetrafluoroethane</td>
<td></td>
<td>TWA</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>2380 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OSHA TABLE COMMENTS:
1. NL = Not Listed
2. * (AEL)=Acceptable Exposure Limit as established by the manufacture

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: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

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: Avoid contact with eyes. Avoid fume inhalation. Limit skin contact.

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

9. PHYSICAL AND CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatables.


11. TOXICOLOGICAL INFORMATION

ACUTE

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD₅₀ (rat)</th>
<th>DERMAL LD₅₀ (rabbit)</th>
<th>INHALATION LC₅₀ (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propyl acetate</td>
<td>9370 mg/kg</td>
<td>&gt; 20 ml/kg</td>
<td>8000 ppm</td>
</tr>
<tr>
<td>Acetone</td>
<td>5800 mg/kg</td>
<td>20 g/kg</td>
<td>50100 ppm</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane</td>
<td></td>
<td></td>
<td>&gt; 500000 ppm</td>
</tr>
</tbody>
</table>
EYES: 20 mg
Notes: Irritation eye rabbit, severe
DERMAL LD₅₀: > 20 mg/kg (rabbit)
ORAL LD₅₀: 9370 mg/kg (rat)
INHALATION LC₅₀: 8000 ppm, 4-hour

EYE EFFECTS: High vapor concentrations may cause moderate to severe eye irritation.

SKIN EFFECTS: The mixture is a mild to severe skin irritant but is not a skin sensitizer in animals.

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>n-Propyl acetate</td>
<td>NOT LISTED</td>
<td>NOT LISTED</td>
<td>NOT LISTED</td>
</tr>
<tr>
<td>Acetone</td>
<td>NOT LISTED</td>
<td>NOT LISTED</td>
<td>NOT LISTED</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane</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

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Oxygen Demand Data- (information for n-Propyl Acetate) BOD-5: 134 g oxygen/g ThOD: 2.04 g oxygen/g

ECOTOXICOLOGICAL INFORMATION: Rainbow trout LC₅₀=5540 mg/L/96H, Static conditions, 11-13 degrees C, Fathead Minnow LC₅₀=7280 - 8120 mg/L/96H Flow-through conditions, Bluegill LC₅₀ = 8300 mg/L/96H

13. DISPOSAL CONSIDERATIONS

GENERAL COMMENTS: Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D
UN/NA NUMBER: NA
PACKING GROUP: NA

ROAD AND RAIL (ADR/RID)
KEMLER NUMBER: UN1950
HAZARD CLASS: 2.1

AIR (ICAO/IATA)
SHIPPING NAME: CONSUMER COMMODITY ID8000
UN/NA NUMBER: ID8000
PRIMARY HAZARD CLASS/DIVISION: 9
PACKING GROUP: NA
NOTE: Domestic shipments only. When shipping International contact TechSpray shipping department.

VESSEL (IMO/IMDG)
SHIPPING NAME: AEROSOLS IN LIMITED QUANTITIES OF CLASS 2
UN/NA NUMBER: UN1950
PRIMARY HAZARD CLASS/DIVISION: 2.1
PACKING GROUP: NA
NOTE: Page 2102

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES: IMMEDIATE / DELAYED
FIRE: Yes  ACUTE: Yes  CHRONIC: Yes

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>10 - 30</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>10 - 30</td>
<td>5000 lbs.</td>
</tr>
</tbody>
</table>

REPORTABLE SPILL QUANTITY: 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
</tr>
</thead>
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<tr>
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<td>811-97-2</td>
</tr>
</tbody>
</table>

TSCA STATUS: All chemicals in this product are listed in the TSCA inventory.

CLEAN AIR ACT
MATERIAL SAFETY DATA SHEET

Turbo-Coat Acrylic Coating

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<tr>
<th>Chemical Name</th>
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<td>1,1,1,2-Tetrafluoroethane</td>
<td>30 - 50</td>
<td>811-97-2</td>
</tr>
</tbody>
</table>

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119 --- PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer.

RCRA STATUS: U002 D001


CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASS: Class A, B5, D2B (Aerosol, Flammable Aerosol, Toxic Materials)

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION

"F" - Highly flammable
R11 - Highly flammable.

GENERAL COMMENTS: 1,1,1,2-tetrafluoroethane is subject to U.S. Environmental Agency Clean Air Act Regulations, (40CFR Part 82).

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon   TITLE: Chemist

REVISION SUMMARY: New MSDS

HMIS RATING

<table>
<thead>
<tr>
<th>HEALTH:</th>
<th>FLAMMABILITY:</th>
<th>PHYSICAL HAZARD:</th>
<th>PERSONAL PROTECTION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

NFPA CODES

1 3 1 1

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