



TVM POLYURETHANE FOAM & GUN CLEANER

1. Product and Company Identification

- 1.1. Identification of the substance or preparation:
- not applicable
- 1.2. Use of the substance of preparation:
Cleaning agent
- 1.3. Company/undertaking identification:
TVM BUILDING PRODUCTS
169 JARI DRIVE
JOHNSTOWN, PA
15904
- 1.4. Telephone number for emergency:
24 hr. INFOTRAC: 1 - 800 - 535 - 5053

2. Hazards Identification

- Extremely flammable
- Eye Irritant
- Repeated exposure may cause skin dryness or cracking
- Vapors may cause drowsiness and dizziness

3. Composition/Information on Ingredients

Hazardous Ingredients	CAS No.	Concentration (%)
Acetone	67 - 64 - 1	> 25
Butane	106 - 97 - 8	10 - 20
Isobutane	75 - 28 - 5	10 - 20
Propane	74 - 98 - 6	10 - 20

4. First Aid Measures

- 4.1. Eye Contact:
- Flush eyes with plenty of water
- Seek medical attention
- 4.2. Skin Contact:
- Rinse immediately with plenty of water
- If irritation persists, seek medical attention
- 4.3. After Inhalation:
- Remove the victim to fresh air. If not breathing, give artificial respiration
- Seek medical attention
- 4.4. After Ingestion:
- Never give anything by mouth to an unconscious person
- Seek medical attention

5. Fire Fighting Measures

- 5.1. Suitable extinguishing media:
- Water spray
- BC powder
- Sand/Earth
- 5.2. Unsuitable extinguishing media:
- None
- 5.3. Special exposure hazards:
- On burning: release of carbon monoxide and carbon dioxide
- Gas/Vapor spreads at floor level: ignition hazard
- Aerosol may explode under the effect of heat
- 5.4. Instructions:
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

- Do not move the load if exposed to heat

- 5.5. Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental Release Measures

- 6.1. Personal protection/precautions:
See headings 8.1/8.3/10.3
- 6.2. Environmental precautions:
- Use appropriate containment to avoid environmental contamination
- 6.3. Methods of cleaning up:
- Take up liquid spill into inert absorbent material, e.g.: sand/earth
 - Take collected spill to competent authority
 - Wash clothing and equipment after handling

7. Handling and Storage

- 7.1. Handling:
- Observe standard hygiene
 - In case of insufficient ventilation: keep away from open flames and sparks
 - Clean contaminated clothing
- 7.2. Storage:
- Keep out of direct sunlight
 - Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases
- Storage Temperature: < 50°C**
Storage Life: 365 days
Materials for packaging: aerosol dispenser

8. Exposure controls/Personal protection

- 8.1. Exposure limit values:
- Acetone:
OSHA Permissible Exposure Limit (PEL): 1000 ppm TWA
ACGIH: 500 ppm (TLV-TWA), 750 ppm (TLV-STEL)
- Butane:
OSHA Permissible Exposure Limit (PEL): 800 ppm TWA
ACGIH: 800 ppm (TLV-TWA)
- Isobutane:
OSHA Permissible Exposure Limit (PEL): N/A
ACGIH: N/A
- Propane:
OSHA Permissible Exposure Limit (PEL): 1000 ppm TWA
ACGIH: 2500 ppm (TLV-TWA)
- 8.2. Exposure Controls:
- 8.2.1. Occupational exposure controls:
- use only in well ventilated areas
- 8.3. Personal Protection:
- 8.3.1. Respiratory protection:
- in case of insufficient ventilation: respiratory protection with filter type A
- 8.3.2. Hand protection:
- Chemically resistant gloves
- 8.3.3. Eye protection:
- Safety glasses
- 8.3.4. Skin protection:
- Suitable protective clothing

9. Physical and Chemical Properties

- 9.1. General Information:
Appearance at (20°C) : Aerosol
Odor: Acetone
Color: Colorless
- 9.2. Important Health, safety and environmental information:

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Flashpoint: Contains (highly) flammable component
 Explosion limits: 1.5 - 12.8 vol%
 Soluble in: ethanol, ether

10. Stability and Reactivity

- 10.1. Conditions to avoid/reactivity:
 - Unstable on exposure to heat
- 10.2. Materials to avoid:
 - Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases
- 10.3. Hazardous decomposition products:
 - On burning: release of carbon monoxide and carbon dioxide

11. Toxicological Information

- 11.1. Acute Toxicity:
- | | | | |
|-----------------------|-----------|--|---------|
| Acetone: | | | |
| LD50 oral rat | : 5800 | | mg/kg |
| LD50 dermal rabbit | : 20 000 | | mg/kg |
| LC50 inhalation rat | : 71 | | mg/L/4h |
| LC50 inhalation rat | : 30 000 | | ppm/4h |
| Butane and Isobutane: | | | |
| LC50 inhalation rat | : 658 | | mg/L/4h |
| Propane: | | | |
| LC50 inhalation rat | : 513 | | mg/L/4h |
| LC50 inhalation rat | : 280 000 | | ppm/4h |
- 11.2. Chronic Toxicity:
 Acetone:
 Carcinogenicity (TLV) : A4
- 11.3. Routes of Exposure: inhalation, eyes and skin
- 11.4. Acute effects/symptoms (upon overexposure):
- After inhalation:
 Exposure to high concentrations:
- feeling of weakness
 - CNS depression
 - Dizziness
 - Narcosis
 - Excited/restless
 - Drunkenness
 - Disturbed motor response
 - Headache
 - Respiratory difficulties
 - Disturbances of consciousness
- After eye contact:
 - irritation of the eye tissue
- After Skin Contact:
 On continuous exposure/contact:
- Dry skin
 - Cracking of skin
- 11.5. Chronic Effects
 On continuous exposure/contact:
- Red skin
 - Skin rash/inflammation
 - Dry/sore throat
 - Headache
 - Nausea
 - Feeling of weakness
 - Loss of weight
 - Inflammation of the respiratory tract

12. Ecological Information

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- 12.1. Ecotoxicity:
- Acetone:
- LC50 (96h) : 5540 mg/L (Salmo Gairdneri/Oncorhynchus Mykiss)
 - EC50 (48h) : 39 mg/L (Daphnia Magna)
 - EC50 (96h) : 7000 mg/L (Selenastrum Capricornutum)

- 12.2. Mobility:
- Volatile organic compounds (VOC) 100%
- For other physicochemical properties see section 9

13. Disposal Considerations

- Release pressure prior to disposal
- Dispose of in accordance with federal, state, provincial and local regulations

14. Transport Information

US. Land, D.O.T.	ADR (road)	RID (rail)	ADNR (inland waterways)	IMDG (maritime transport)
UN Number: 1950 Class: 2.1 Proper Shipping Name: UN 1950, Aerosols	Class: 2 Classification code: 5F Danger Label Packages: 2.1	Class: 2 Classification code: 5F Danger Label Packages: 2.1	Class: 2 Classification code 5F Danger Label Packages: 2.1	Class: 2.1 EMS: F-D, S-U

15. Regulatory Information

- 15.1. Toxic Substances Control Act (TSCA):
- All components listed in TSCA inventory except as exempted
- 15.2. NFPA Profile:
- Health 2, Flammability 3, Reactivity 0
- 15.3. SARA Title III:
- Section 312 Hazard Class: Acute: Yes, Chronic: Yes, Fire: Yes, Pressure: Yes, Reactive: No
 - Section 313 Toxic Chemicals: None present or none present in regulated quantities
- 15.4. State Substance List:
- This product contains listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey: Acetone
- 15.5. WHMIS Classification:
- A, B2, D2B
- 15.6. Domestic Substances List (DSL):
- Chemical components listed in DSL except when exempted

16. Other Information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for each material used in combination with any other material or in any process, unless specified in the text.