


TYTAN Cleaner

Page: 1 of 4

MATERIAL SAFETY DATA SHEET

1. PRODUCT and COMPANY IDENTIFICATION

Manufacturer

 SELENA USA, INC.
 400 Northampton Street
 Easton, PA 18042

CLEANER FOR VERSI-TITE GUNS

Non Emergency Information

Telephone: SELENA USA, INC. (877) 735-3627 or (610) 330-6950

Emergency Information

Transportation Emergency Telephone: CHEMTREC 1-800-424-9300. The product listed below is registered by the manufacturer, SELENA USA, INC.

International Transportation Emergency: CHEMTREC (703) 527-3887

Product Name: TYTAN® Cleaner

Chemical Name: Acetone in aerosol container

2. COMPOSITION (Information on Ingredients)

Component	CAS No	Weight %
Chemical Name (common names)		
Acetone	67-64-1	77 - 78
Butane (Butane)	106-97-8	9
Propane (Propane)	74-98-6	6.5
Isobutane (Isobutane)	75-28-5	6.5
See Section 8 of this MSDS for Exposure Guidelines		

3. HAZARDS IDENTIFICATION

Physical Hazards

ATTENTION! Aerosol. Flammable gas and liquid. Container is pressurized and storing temperature should not exceed 120°F (49°C) in order to avoid pressure build-up and possible container rupture.

Potential Health Effects

The primary adverse health effect(s) of this material are related to an acute or chronic overexposure to Acetone. This material can be harmful or even fatal if inhaled or ingested. Therefore, adequate ventilation should be provided to avoid exceeding the exposure limits of these components (See Section 8).

Exposure Routes

Inhalation: Vapors may irritate mucous membranes and upper airways. Extensive overexposure to solvent may cause light headedness, headaches, or lethargy and physiological injury. Exposure to extremely high vapor concentrations can cause death.

Skin Contact: May cause localized irritation, reddening and/or swelling. Prolonged or repeated exposure may lead to sensitization blistering, and/or dermatitis.

Eye Contact: May irritate eyes causing pain, lachrimation and general inflammation.

Ingestion: May cause irritation of mucous membranes in oral cavity and in digestive system.

The medical conditions, if any that may deteriorate through the contact with product are not known.

4. FIRST AID MEASURES

Inhalation: If breathing difficulty is experienced, move to a fresh air place. If necessary, provide oxygen or artificial respiration by trained personnel and obtain medical attention.




Page: 2 of 4

- Skin Contact:** Remove by washing affected area thoroughly with soap and water. Apply a delicate skin cream if irritation develops. If symptoms persist, in case of redness seek medical attention.
- Eye Contact:** Bath eye immediately with a large amount of water for at least 15 minutes. See medical attention immediately.
- Ingestion:** **DO NOT INDUCE VOMITING!** Drink 1- 2 glasses of water or milk. Do not give anything orally to an unconscious person. Contact a physician immediately.
- Caution:** The long-term contact with the skin may cause non carcinogenic dermatitis.

5. FIRE FIGHTING MEASURES

Flash Point:	-4F (-20°C)	
Flammable Limits:	Acetone	Propane/Butane
Lower Explosive Limit	2.6%	1.5%
Upper Explosive Limit	13%	10%

High temperatures will raise the pressure in the container, which may cause container rupture.

Extinguishing media: CO2, dry chemical foam, halon 1211, normal foam, water spray, if a large quantity is used.

Special Fire-fighting Procedures: Wear self-contained breathing apparatus (SCBA) to protect against inhalation of smoke and toxic decomposition by-products. Flammable gases and liquids can migrate down (gas has four times the density of air). Neutralize through controlled combustion.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Ensure adequate ventilation and wear recommended protective clothing (face protection, protective clothes and gloves. Vapors can accumulate in low areas. Do not smoke and avoid ignition from sparking.
- Environmental Precautions:** Before disposing of containers, relieve container of any remaining foam and pressure. Dispose of empty containers as pressurized containers. Clean out contaminated area.
- Clean-up Methods:** Use an absorbent material such as sawdust or vermiculite.

7. HANDLING AND STORAGE

- Handling:** Warning Flammable Contents! Contents are under pressure. Keep away from heat, open flame and all sources of ignition. Do not pierce containers. Do not mix with other chemicals.
- Storage:** Store in a cool, dry place. Recommended storage temperature is between 40F to 78F (4.4°C to 25.5°C). Do not store above 120F (49°C) will shorten shelf life. Protect containers from heat. Contents are under pressure, do not pierce the containers. Protect from freezing. Keep away from food, drinks, animal food. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Read all product instructions before using. Personal protective equipment should include safety eye wear, chemical resistant gloves, and long sleeve work clothes. Adequate ventilation should be used to avoid exceeding recommended vapor level guidelines. If vapor levels are expected to exceed these guidelines, use NIOSH/MSHA approved, positive pressure supplied air respiratory apparatus (SCBA). Employ good personal hygiene, wash thoroughly after each use.

Exposure Guidelines	OSHA	ACGIH
Acetone	750 ppm	1,000 ppm TWA
Butane (Butane)	10,000 ppm	2,500 ppm TWA
Propane (Propane)	10,000 ppm	2,500 ppm TWA
Isobutane (Isobutane)	10,000 ppm	2,500 ppm TWA

None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.


TYAN Cleaner

Page: 3 of 4

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Thin liquid	
Appearance:	Clear	
Color:	Clear	
Odor:	Characteristic smell of Acetone.	
Specific Gravity:	Approximately 0.79 g/cm ³ (H ₂ O = 1)	
Boiling Point:	36.6°F (2°C) acetone	
Flash Point:	-4°F (-20°C) acetone	
Self-Flammability:	Extremely flammable (propane/butane/isobutane)	
Auto-Flammability:	over 1004°F (540°C)	
pH:	5 - 6	
Vapor Pressure:	In the pressurized container the vapor pressure exceeds 500 kPa. After spraying, the vapor pressure is 233 kPa (20°C)	
Solubility in Water:	Soluble	
Explosion data:	Acetone	Propane/Butane
a) lower	2.6	1.5
b) upper	13	10

10. STABILITY AND REACTIVITY

This product is stable in normal storing conditions. Avoid storing temperatures exceeding 120°F (50°C). Protect against mechanical shocks. Avoid heat and moisture. Strongly reacts with substances such as oxidizing agents. Dangerous decomposition product is peroxide. Avoid contact with oxidizing agent, sparks, open flame, ignition sources.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Short term oral toxicity. LD ₅₀ = 5800 mg/kg (rat).
Skin contact:	LD ₅₀ = 20000 mg/kg (rat)
Inhalation:	LD ₅₀ = 0.76 mg/l (rat - 4 hours inhalation).
Irritating action:	Irritates eyes, contact with eyes may cause cornea damage.
Allergies:	Prolonged contact with skin may cause an allergic reaction. Prolonged toxicity close to acute and chronic vapor inspiration may result in irritation of airways, mucous membranes causing cough, breathing difficulties, and headache. Symptoms may appear with delay. Prolonged skin contact may cause drying and scouring reaction.
Additional toxicological information:	None

12. ECOLOGICAL INFORMATION

Biodegradation:	Type Aerobic inoculum: domestic sewage, not adapted. 84% after 20 days. BOD ₅ = 1.65 g/g
Chemical degradation:	COD = 2.07 g/g
Bioaccumulation:	Not Established
Agility:	Not Established
Toxicity influence on Organisms:	For fish: <i>Limnea macrochirus</i> CL ₅₀ : 8300 mg/l/96 hr For daphnia: <i>Daphnia magna</i> UE ₅₀ : 12600 - 12700 mg/l/48 hr
Toxicity in water:	The highest permissible toxic concentration:
Other toxicity:	Toxicity for algae: <i>Scenedesmus quadricauda</i> KI ₅ : 7500 mg/l/8 d Toxicity for bacteria: <i>Microcystis aeruginosa</i> UE ₅ : 530 mg/l/8 d <i>Pseudomonas putida</i> UE ₅ : 1700 mg/l/ 16 hr

13. DISPOSAL CONSIDERATIONS

Before disposing of containers, relieve container of contents and pressure. Dispose of containers in accordance with all applicable guidelines and regulations. Avoid discharge to natural waters.

14. TRANSPORTATION INFORMATION

Shipping Information	Containers Less than 1,000 cu. cm. (1 litre) i.e. 12 oz.
DOT (Ground):	Aerosol, Consumer Commodity, ORM-D, Limited Quantity



TYTAN Cleaner

Page: 4 of 4

Air: Aerosols, Class 2.1 UN 1950 (Flammable Gas Label)
 Water: Aerosols, Class 2.1 UN 1950 (Flammable Gas Label)
 Exceptions: N/A
 Note: Emergency Response Guide Number – Consumer Commodity #171

15. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA) Designated Substances List (DSL):

All ingredients are listed on the TSCA inventory, as well as the Canadian Designated Substances List. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

SARA Title III:

Contains no materials which are subject to the reporting requirements of SARA Title III.

Proposition 65:

Based on information currently available, this product is not known to contain detectable amounts of any chemicals currently listed under California Proposition 65.

16. OTHER

NFPA: Fire 3; Health 2; Reactivity 1
 HMIS: Flammability 3; Health 2; Reactivity 1

The information and recommendations contained herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information supplied upon the condition that the persons receiving said information will make their own determination as to its suitability for their particular purpose prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, including the merchantability or fitness for a particular purpose are made herein with respect to this information or the product to which information refers.

Information contained herein is deemed to be reliable, conservative and accurate. SELENA USA, Inc. reserves the right to change the design, specification or any other features at any time, without notice, while otherwise maintaining regulatory compliance.