1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Turbo Tite 3, Turbo-Fuse 3 Adjustable Threadlocker
Product Type: Non-reactive thread locking compound
Recommender Use: Industrial and Consumer Use of Adhesives

Company Name: Palm Labs Adhesives
Company Address: 3063 Enterprise Road, DeBary FL 32713
Company Contact: Toll Free: (855) PLA-GLUE || Phone: (321) 710-4850 || Email: Sales@PalmLabsAdhesives.com
Emergency Phone: (386) 490-9983

2. HAZARDS IDENTIFICATION

Pictogram:

Signal Word: Danger

Hazard Classification:
Flammable Liquid – Category 2
Skin Irritation – Category 3
Eye Irritation – Category 2A
Suspected Reproductive Toxicant – Category 2

Hazard Statements:
H225: Highly flammable liquid and vapor.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility or the unborn child.

Precautionary Statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P271: Use only in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical attention.
P501: Dispose of contents/container to local, regional, national, and international regulations.

3. COMPOSITION / INGREDIENTS INFORMATION

Hazardous Components	CAS Number	EC Number	Percentage*
Butanone	78-93-3	201-159-0	60 – 70
Acrylate polymers	--	--	20 – 30
Acrylic resins	--	--	5 – 10
Xylene	1330-20-7	215-535-7	1 – 5
Toluene	108-88-3	203-625-9	≤ 1

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

General: If you feel unwell, seek medical attention.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

Skin Contact: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical attention.

Eye Contact: Flush with warm water for at least 15 minutes, and seek medical attention.

Ingestion: If material is ingested, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol-resistant foams, dry powder, carbon dioxide, water spray or fog.

Unsuitable Media: Water jet.

Special Hazards: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

Firefighting Instructions: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Remove ignition sources. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Handle in accordance with good industrial hygiene and safety practices.

Environment Precautions: Avoid release to the environment. Prevent entry to sewers and public waters.

Clean-up Methods: Clear up spills immediately and dispose of waste safely. Use non-sparking tools.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapors. Use only outdoors or in a well ventilated area. Use personal protective equipment as required. Use of dispensing equipment is recommended to minimize the risk of skin or eye contact. Wash hands and other exposed areas after use.

Storage: Comply with applicable local, state, and federal regulations. Keep away from direct sunlight. Keep container tightly closed when not in use. Store in a cool, dry place. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at temperatures between 4 to 35°C (40 to 95°F). Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Components	OSHA	ACGIH	Other
Butanone	PEL: 200 ppm	TLV: 200 ppm, STEL: 300 ppm	N/A
Acrylate polymers	N/A	N/A	N/A
Acrylic resins	N/A	N/A	N/A
Xylene	TWA: 100 ppm, 435 mg/m^3	STEL: 150 ppm, TWA: 100 ppm	N/A
Toluene	TWA: 200 ppm, STEL: 300 ppm	TWA: 20 ppm, STEL: 20 ppm	N/A

Engineering Controls: Ensure all local, state, and federal regulations are observed. Avoid unnecessary contact or exposure to material. Ensure processing ovens are properly vented to prevent the introduction of fumes into the workplace.

Respiratory Protection: Provide adequate ventilation in area of use. Do not use this product in an enclosed or poorly ventilated area. If ventilation alone cannot control exposure, respiratory protection should be used.

Eye/Face Protection: Wear protective goggles or face shield.

Skin Protection: Wear chemically resistant protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid	
Color:	Red	
Odor:	Solvent-like	
Odor Threshold:	Not determined	
pH:	Not determined	
Vapor Pressure:	≤ 78 mmHg (@ 20 °C)	(68 °F)
Vapor Density:	Not determined	(Heavier than air)
Melting Point/Range:	Not determined	
Boiling Point/Range:	80 °C	(176 °F)
Flash Point:	-4 °C	(24.8 °F)
Explosive Lower Limits:	1.5%	
Explosive Upper Limits:	11.5%	
Autoignition Temperature:	505 °C	(941 °F)
Evaporation Rate:	Not determined	

Decomposition Temperature:	Not determined	
Specific Gravity:	0.897 g/cm^3	(7.49 lb/gal)
Solubility in Water:	Not determined	
Partition Coefficient:	Not determined	
Volatile Organic Compounds:	583 g/l	(4.87 lb/gal)
% Volume Solids:	27%	

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Reactivity: No dangerous reactions known under normal conditions.
Hazardous Reactions: Hazardous polymerization will not occur under normal conditions.
Hazardous Decomposition: Combustion may produce carbon monoxide.
Incompatible Materials: Alcohols, acids, alkalis, amines, water, and oxidizing agents.
Conditions to Avoid: Direct sunlight, acidic and basic materials. Nitric acid.

11. TOXICOLOGICAL INFORMATION

Butanone (78-93-3)	
LD50 Oral (Rat)	2,737 mg/kg
LD50 Dermal (Rabbit)	6,480 mg/kg
LC50 Inhalation (Rat) @ 4 hours	11,700 ppm

Xylene (1330-20-7)	
LD50 Oral (Rat)	3,608 mg/kg
LD50 Dermal (Rabbit)	14,100 mg/kg
LC50 Inhalation (Rat) @ 6 hours	4,330 ppm

Toluene (108-88-3)	
LD50 Oral (Rat)	5,580 mg/kg
LD50 Dermal (Rabbit)	>5,000 mg/kg
LC50 Inhalation (Rat) @ 4 hours	25.7 ppm

Respiratory: Inhalation of vapors or mists may cause irritation to the respiratory tract. Excessive exposure may cause central nervous system effects; headache, dizziness, drowsiness, fatigue, or loss of coordination.

Skin: Causes skin irritation. Prolonged or repeated exposure may dry and defat the skin leading to redness, drying, cracking, and dermatitis.

Eye: Vapors irritating to eyes.

Ingestion: Liquid may be harmful if swallowed. May cause irritation of the digestive tract or vomiting.

Germ Cell Mutagenicity: The table below indicates whether any component is listed or considered as a germ cell mutagen.

Component	CAS Number	Description
Butanone	78-93-3	Not mutagenic in AMES tests.
Xylene	1330-20-7	Information not available.
Toluene	108-88-3	Information not available.

Reproductive Toxicity: The table below indicates whether any component is listed or considered as a reproductive toxicant.

Component	CAS Number	Description
Butanone	78-93-3	Information not available.
Xylene	1330-20-7	Information not available.
Toluene	108-88-3	Suspected Reproductive Toxicant – Category 2.

Carcinogenicity: The table below indicates whether any component is listed or considered as a carcinogen.

Component	CAS Number	OSHA	ACGIH	NTP	IARC
Butanone	78-93-3	Not Listed	Not Listed	Not Listed	Not Listed
Xylene	1330-20-7	Not Listed	Not Listed	Not Listed	Not Listed
Toluene	108-88-3	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Information not available for mixture.

13. DISPOSAL CONSIDERATIONS

Product Disposal: Dispose of waste in accordance with local and national regulations. Do not discharge in to drains or the environment.

Cured adhesive can be disposed of as non-hazardous waste in an authorized landfill or incinerated under controlled conditions.

14. TRANSPORT INFORMATION

Ground Transport (49 CFR)

ID Number: UN1139
Proper Shipping Name: Coating Solution
Hazard Class: 3, Flammable liquid(s)
Packing Group: II
Exceptions: Inner packaging(s) containing less than 1 L (0.3 Gallons) are excepted from labeling requirements. [49 CFR 173.150]

*Hazard placard only for bulk shipments containing > 1 L.

Sea Transport (IMO / IMDG)

ID Number: UN1139
Proper Shipping Name: Coating Solution
Hazard Class: 3, Flammable liquid(s)
Packing Group: II
Environmental Hazards: No

Air Transport (ICAO / IATA)

UN Number: UN1139
Proper Shipping Name: Coating Solution
Hazard Class: 3, Flammable liquid(s)
Packing Group: II
Exceptions: Inner packaging(s) containing less than 30 mL, maximum 0.5 L per outer packaging are excepted from labeling requirements.

*Hazard placard only for shipments with inner packaging greater than 30 mL.

15. REGULATORY INFORMATION

US Federal Regulations:

SARA 311/312: See section 2 for more information.
SARA 313: Xylene 1.0%; Toluene 1.0%

US State Regulations / Right-To-Know:

Component	Illinois	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Butanone	X	X	X	X	X
Xylene	X	X	X	X	-
Toluene	X	X	X	X	X

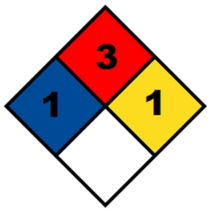
California Proposition 65: ⚠ WARNING: This product contains the following chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm; Toluene.

International Inventories:

Component	TSCA	DSL/NDSL	EINECS/ELINCS/NLP	IECSC	ENCS	KECL	PICCS	AICS
Butanone	X	X	201-159-0	X	X	KE-35427	X	X
Xylene	X	X	215-535-7	X	X	KE-35429	X	X
Toluene	X	X	203-625-9	X	X	KE-33936	X	X

Legend: "X" = Listed, "-" = Not Listed, " " (Blank) = Information not available. Identification numbers listed when available.

16. OTHER INFORMATION

NFPA Hazard Diamond	HMIS Color Bar
	

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

The above information describes exclusively the safety requirements of this product and any information present herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. The information is intended to give you advice about the safe handling of the product named in this Safety Data Sheet (SDS) for storage, processing, transport, and disposal. The information cannot be transferred to other products. In the case of mixing this product with any other substance or in the case of processing, the information on this safety data sheet is not necessarily valid for the resulting material. Nothing herein shall be considered as recommending practices or products in violation of any patent, law, or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. This Safety Data Sheet (SDS) makes no warranties regarding the products and disclaims all express or implied warranties, including any warranty of merchantability or fitness for a particular purpose.

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