

MATERIAL SAFETY DATA SHEET
Terpene Cleaner

Effective Date 9 Oct 2003

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

TRADE NAME	Terpene Cleaner
GENERAL USE	Cleaner/Degreaser
PRODUCT DESCRIPTION	Blend
MANUFACTURER'S NAME	Technology Lubricants Corporation 16215 Waverly Houston, Texas 77032
PHONE NUMBER	281-821-0507
EMERGENCY PHONE NUMBER	281-821-0507

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	%	TLV (UNITS)	PROD. CAS #
Aliphatic Alkoxylated Phosphate Acid	Conf.	2 mg/m ³	Conf.
Alkoxylated Organic Surfactant	Conf.	None Established	
d-Limonene	Conf.	None Established	5989-27-5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW CAUTION Combustible liquid (non-flammable)
Eye irritant.
May dry skin.

POTENTIAL HEALTH EFFECTS

EYES: Liquid, vapor or mist may cause tissue irritation. Burns may result in permanent eye damage.

SKIN: May cause irritation. A time delay may occur between time of exposure and realization that a burn has occurred.

INGESTION: Harmful if swallowed. Causes chemical burns to mucous membranes of the mouth, throat, esophagus, and stomach.

INHALATION: Spray mist may cause irritation to the upper respiratory tract.

CHRONIC EFFECTS Unknown

CARCINOGENICITY NO	NTP? NO	IARC MONOGRAPHS? NO	OSHA REGULATED NO
------------------------------	-------------------	-------------------------------	-----------------------------

MATERIAL SAFETY DATA SHEET

Terpene Cleaner

Effective Date 9 Oct 2003

4. FIRST AID MEASURES

EYES:	Flush immediately with plenty of water for at least 15 minutes and Get Medical Attention Immediately.
SKIN:	Remove contaminated clothing. Wash skin with soap and plenty of water. Decontaminate clothing before reuse.
INGESTION	Do not induce vomiting. Immediately give two glasses of water or milk. Never give anything by mouth to an unconscious person. Get Medical Attention Immediately.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get Medical Attention.

5. FIRE FIGHTING PROCEDURES

FLASH POINT	150 Degrees F (ASTM D-92, COC)
LOWER FLAME LIMIT	Not Determined
HIGHER FLAME LIMIT	Not Determined
EXTINGUISH MEDIA	Dry Powder, Carbon Dioxide (CO2), "Alcohol Foam"
FIRE & EXPLOSION HAZARD	Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away.
FIRE FIGHTING EQUIPMENT	Wear full bunker gear including a positive pressure self-contained breathing apparatus in any enclosed space.
HAZARDOUS COMBUSTION PRODUCTS	Smoke, Oxides of Carbon & Phosphorous

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES	In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.
--------------------------	---

7. HANDLING AND STORAGE

HANDLING AND STORAGE	Wear impervious gloves. Use goggles or face shield if splashing is likely. Chemical type apron recommended.
STORAGE	Keep away from heat and flame. Use with adequate ventilation. Avoid prolonged breathing of vapors. Avoid prolonged or repeated contact with skin. Do not get in eyes. Wash after handling. Launder contaminated clothing before reuse.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION	Not normally required
VENTILATION	Local Exhaust
PROTECTIVE GLOVES	Wear impervious gloves
EYE PROTECTION	Use goggles or face shield
OTHER PROTECTIVE EQUIPMENT	Use chemical apron if splashing is likely

MATERIAL SAFETY DATA SHEET

Terpene Cleaner

Effective Date 9 Oct 2003

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR	Clear liquid, citrus odor
BOILING POINT (F)	325 F
FREEZING POINT (F)	Not determined
VAPOR PRESSURE (mm HG)	10.35 mm Hg @ 100 Degrees F
VAPOR DENSITY (Air=1)	Not determined
SOLUBILITY IN H2O	Emulsifies
SPECIFIC GRAVITY (H2O=1)	0.87 @ 21 Degrees C
PH	Not determined

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	None known
INCOMPATIBLE MATERIALS	Strong oxidizing substances, strong bases
HAZARDOUS POLYMERIZATION	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS	None

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION No information is available on this blend.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION No information is available on this blend.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD Industrial Waste. Follow federal and state regulations.

14. TRANSPORT INFORMATION

Drum quantities are not regulated by D.O.T. (49CFR 173.150(f)(2)).

DOT SHIPPING NAME	Combustible liquid, n.o.s.
HAZARD CLASS	Combustible liquid
ID NUMBER	NA1993
PACKAGING GROUP	PG III
TECHNICAL NAME	Terpenes
REPORTABLE QUANTITY (RQ)	None
PACKAGING SIZE	Bulk. Drum quantities are not regulated.

15. REGULATORY INFORMATION

SECTION 302 EHS	None
SECTION 311/312 HAZARD CATEGORIES	Acute
SECTION 313 CERCLA RQ VALUE	Glycol Ether <4% None

MATERIAL SAFETY DATA SHEET

Terpene Cleaner

Effective Date 9 Oct 2003

16. OTHER INFORMATION

HMIS HEALTH		1
HMIS FLAMMABILITY	2	
HMIS REACTIVITY		0
HMIS PERSONAL PROTECTION		B

FOOT NOTES	N/A	=	NOT APPLICABLE
	N/D	=	NO DATA AVAILABLE
	<	=	LESS THAN
	>	=	GREATER THAN
	APP.	=	APPROXIMATE
	EST.	=	ESTIMATED

PREPARED BY: Technology Lubricants Corporation

THIS PRODUCT'S SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE ACCURATE. ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCT. SUCH CONDITIONS SHOULD COMPLY WITH ALL FEDERAL REGULATIONS CONCERNING THE PRODUCT.