

MATERIAL SAFETY DATA SHEET



Date Issued: 08/09/2012
MSDS No: 1626-11s

E-Line High Flash

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: E-Line High Flash

PRODUCT DESCRIPTION: High Flash Point Electronic Cleaner

PRODUCT CODE: 1626-11S

ACTIVE INGREDIENT(S): Distillates, petroleum, hydrotreated light

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC CCN#21858 (US Transportation) : (800) 424 - 9300
CANUTEC (Canadian Transportation) : (613) 996 - 6666
Emergency Phone : (800) 858 - 4043

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Transparent, colorless liquid.

POTENTIAL HEALTH EFFECTS

EYES: Liquid contact can cause irritation, which may be severe.

SKIN: Prolonged or repeated contact may cause skin irritation.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Contact may cause eye irritation.

SKIN: May cause slight irritation.

INGESTION: Not a likely route of exposure.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Distillates, petroleum, hydrotreated light	60 - 75	64742-47-8	265-149-8
Dipropylene glycol methyl ether	1 - 10	34590-94-8	252-104-2
1,1,1,2-Tetrafluoroethane	15 - 30	811-97-2	212-337-0

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Ingestion is unlikely because of the physical properties and is not expected to be hazardous. Do not induce vomiting unless instructed to do so by a physician.

INHALATION: Remove to fresh air.

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5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 60°C (140°F) CC

FLAMMABLE LIMITS: 0.7% to 3.1%

GENERAL HAZARD: Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point.

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: -Implement cleanup procedures. -If in public area, keep public away and advise authorities. - Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

RELEASE NOTES: Spills and releases may have to be reported to Federal and/or local authorities.

SPECIAL PROTECTIVE EQUIPMENT: Only personnel equipped with proper respiratory and skin/eye protection should be permitted in area. See Section 8 for details.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep container closed when not in use.

HANDLING: Avoid prolonged or repeated contact with skin.

STORAGE: Keep away from sources of ignition.

STORAGE TEMPERATURE: (120°F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)						
Chemical Name	EXPOSURE LIMITS					
	OSHA PEL		ACGIH TLV		Supplier OEL	
Distillates, petroleum, hydrotreated light	TWA	NL ppm [1]	NL mg/m3 [1]	NL ppm	200 mg/m3	NL mg/m3 [1]
	STEL	NL ppm	NL mg/m3	NL ppm	NL mg/m3	NL lbs. [1]
Dipropylene glycol methyl ether	TWA	100 ppm		100 ppm		150 ppm
1,1,1,2-Tetrafluoroethane	TWA	NE		NE		1,000 ppm [2]

OSHA TABLE COMMENTS:

1. NL

2. * (AEL)=Acceptable Exposure Limit as established by the manufacturer

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
1,1,1,2-Tetrafluoroethane	-26.4	-101	NEGLIGIBLE	1.21

PHYSICAL STATE: Liquid

ODOR: Low odor.

COLOR: Colorless

pH: Not Applicable

PERCENT VOLATILE: 100

BOILING POINT: 149°C (300°F)

FLASHPOINT AND METHOD: 60°C (140°F) CC

SPECIFIC GRAVITY: 0.790 to 0.81 @ 25°C

VISCOSITY: Not Determined

(VOC): 75.000 % by weight (EPA)

10. STABILITY AND REACTIVITY

STABLE: Yes

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HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to high temperatures or flames this product may form fluorocarbons and hydrogen fluoride.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	INHALATION LC ₅₀ (rat)
1,1,1,2-Tetrafluoroethane	> 500000 ppm

EYE EFFECTS: May be mildly irritating to eyes.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Distillates, petroleum, hydrotreated light				ACGIH Group A3
1,1,1,2-Tetrafluoroethane	NOT LISTED	NOT LISTED	NOT LISTED	

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D

AIR (ICAO/IATA)

SHIPPING NAME: CONSUMER COMMODITY ID8000

UN/NA NUMBER: ID8000

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: NA

VESSEL (IMO/IMDG)

SHIPPING NAME: AEROSOLS IN LIMITED QUANTITIES OF CLASS 2

UN/NA NUMBER: 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

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PACKING GROUP: NA

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: IMMEDIATE / DELAYED

FIRE: Yes **PRESSURE GENERATING:** Yes **ACUTE:** Yes **CHRONIC:** Yes

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Distillates, petroleum, hydrotreated light	64742-47-8
1,1,1,2-Tetrafluoroethane	811-97-2

TSCA STATUS: All components of this product are either listed or exempt from listing in the TSCA inventory.

CLEAN AIR ACT

Chemical Name	Wt. %	CAS
1,1,1,2-Tetrafluoroethane	15 - 30	811-97-2

CALIFORNIA PROPOSITION 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

CANADA

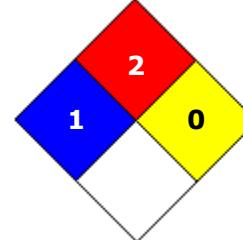
WHMIS CLASS: Class A, B5, D2B (Aerosol, Flammable Aerosol, Toxic Materials)

DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Canadian DSL.

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

NFPA CODES



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