

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Everclear

SYNONYMS: Aliphatic hydrocarbon, Xylene Substitute, Mineral spirits

PRODUCT CODES: ES657

MANUFACTURER: Azer Scientific, Inc.

ADDRESS: 701 Hemlock Rd, Morgantown, PA 19543

CHEMTREC PHONE: 800-424-9300

SUPPORT: 610-524-5810

FAX: 610-901-3046

PRODUCT USE: Laboratory use, clearing agent.

PREPARED BY: CB

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Flammable Liquid (Category 3); Acute Oral Toxicity (Category 1); Aquatic Chronic (Category 4)



Signal Word: Danger!

Hazard Phrases	
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enter airways
H413	May cause long lasting harmful effects to aquatic life.

Precautionary Phrases	
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P280	Wear protective gloves/ eye protection/ face protection.
P303+P361+P353+P363	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.
P307+P311	IF exposed: Call a POISON CENTER or doctor/ physician.
P370+P378	In case of fire: Use CO2, dry chemical or foam for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P273	Avoid release into the environment.

SECTION 2 NOTES:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Aliphatic Hydrocarbon	64742-48-9	100

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.

SKIN: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation persists.

INGESTION: Call medical doctor or poison control center immediately. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, have person lean forward to avoid aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately

SECTION 4 NOTES: NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT: Flammable Liquid

FLASH POINT: >54°C (129°F) - closed cup

AUTOIGNITION TEMPERATURE: 245°C (473°F)

NFPA HAZARD CLASSIFICATION

HEALTH:1 FLAMMABILITY: 2 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH:1 FLAMMABILITY: 2 REACTIVITY: 0
PROTECTION:

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

NOT SUITABLE: Do not use water jet.

SPECIAL FIRE FIGHTING PROCEDURES: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. In a fire or if heated, a pressure increase will occur and the container may burst with the risk of a subsequent explosion. Run-off to sewer may create fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon expected to be the primary combustion product.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray to keep fire exposed containers cool. Approach fire upwind to avoid hazardous vapors and toxic decomposition products.

SECTION 5 NOTES: Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Small spill and leak: Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Large spill and leak: Shut off all ignition sources. No flares, smoking or flames in hazard area. Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 6 NOTES: Environmental Precautions: Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements and confined areas.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or ground procedures. However, bonding and grounds do not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.

STORAGE: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container, protected from direct sunlight. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: General mechanical ventilation or laboratory fume hood. Ensure that eyewash stations and quick drench showers are close to the workstation.

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: splash goggles

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: lab coat

HANDS: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Neoprene

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

EXPOSURE GUIDELINES:

Component	Source	Type	Value	Note
Aliphatic Hydrocarbon	OSHA PEL	TWA	2000 mg/m ³ / 500 ppm	
	ACGIH TLV	TLV	525 mg/m ³	
	NIOSH REL	TWA	1800 mg/m ³ / 350 ppm 15 min.	

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear

ODOR: Odorless

ODOR THRESHOLD: Not established

PHYSICAL STATE: liquid

pH AS SUPPLIED: Not available

BOILING POINT: 180°C (356°F) - 188°C (370°F)

MELTING POINT/FREEZING POINT: -101.2°F(-74°C)

VAPOR PRESSURE (mmHg): 0.56 mmHg

VAPOR DENSITY (AIR = 1): 5.4 [Air=1]

EVAPORATION RATE: 0.16 (butyl acetate=1)

SOLUBILITY IN WATER: Negligible

MOLECULAR WEIGHT: 155 g/mol

VISCOSITY: 1.8 cSt (1.8 mm²/sec) at 25°C

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of use.

CONDITIONS TO AVOID (STABILITY): Avoid heat, sparks, flames, and all other sources of ignition. Direct sunlight.

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing agents, strong acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: oxides of carbon.

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50 - Rat >5,000 mg/kg

Inhalation: LC50 - Rat >5000 mg/m³ 8 hour(s)

Dermal: Rabbit >3000 mg/kg

Skin corrosion/irritation

Mildly irritating to skin with prolonged exposure. Based on test data for structurally similar materials.

Serious eye damage/eye irritation

Eyes: May cause mild, short-lasting discomfort to the eyes. Based on test data for structurally similar materials.

Respiratory or skin sensitization

No end point data for material - Not expected to be a respiratory sensitizer
Not expected to be a skin sensitizer
Germ cell mutagenicity: No data available
Carcinogenicity: (NTP, IARC, OSHA): Not listed as a carcinogen.

POTENTIAL HEALTH EFFECTS:

Eyes: Causes eye irritation.
Ingestion: Toxic if swallowed.
Inhalation: Toxic if inhaled. Causes respiratory tract irritation.
Skin: Skin irritation.

ROUTES OF ENTRY: Skin/eye contact, inhalation, and ingestion.

CHRONIC HEALTH HAZARDS:

TARGET ORGANS: Eyes, respiratory system, and skin

SIGNS AND SYMPTOMS OF EXPOSURE: The product may be fatal if swallowed and enters airways. Inhalation may cause irritation of the nose, throat and respiratory tract.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

Oncorhynchus mykiss (rainbow trout)	LL0 1000 mg/l	96 hour(s)
Daphnia magna (water flea)	EL0 1000 mg/l	48 hour(s)
Pseudokirchnerilla subcapitata	EL0 1000 mg/l	72 hour(s)

PERSISTENCE AND DEGRADABILITY: Readily biodegradable

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely.

MOBILITY IN SOIL: Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids

SECTION 12 NOTES: Product can be considered an environmental hazard through improper handling and improper disposal. Product is considered toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Based on material supplied: Disposal must be in accordance with current provincial, local, state, and federal regulations.

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

UN No.	UN1268
Proper Shipping Name	Petroleum Distillates, N.O.S.
Hazard Class	3
Packing Group	III
Label Statement:	Flammable liquid

TDG

UN No.	UN1268
Proper Shipping Name	Petroleum Distillates, N.O.S.
Hazard Class	3
Packing Group	III
Label Statement:	Flammable liquid
Environmental Hazards	Marine pollutant

IATA

UN No.	UN1268
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Proper Shipping Name Petroleum Distillates, N.O.S.
Hazard Class 3
Packing Group III
Label Statement: Flammable liquid

IMDG/IMP

UN No. UN1268
Proper Shipping Name Petroleum Distillates, N.O.S.
Hazard Class 3
Packing Group III
Label Statement: Flammable liquid
EMS-No: F-E, S-E

SECTION 15: REGULATORY INFORMATION

United States

HCS Classification: Flammable liquid, Toxic material, Irritating material, Target organ effects

U.S. Federal regulations:

TSCA 8(a) IUR: Partial exemption

United States inventory (TSCA 8b): Mineral Spirits

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:

Fire hazard, Immediate (acute) health hazard

SARA 313 Form R - Reporting:

No products are reportable under section 313 and 40 CFR373.

CERCLA:
DEA List I & II Chemicals

(Precursor Chemicals): Not Listed

RTK STATES: Mineral Spirits CAS #64742-48-9 PA, NJ

California Prop. 65

This product does not contain any chemicals known to the State of California to cause birth defects or other reproductive harm.

CANADA

WHMIS (Canada): Class B-2: Flammable liquid

CEPA DSL / CEPA NDSL:

All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations
International lists:

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: All components are listed or exempted.

Korea inventory: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

SECTION 16: OTHER INFORMATION

National Fire Protection Association (U.S.A.)



DISCLAIMER: This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labelling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Azer Scientific be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.

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