



SAFETY DATA SHEET

Date Issued : 10/17/2023

BLA005

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: R134a Ester Oil Charge 3 oz

PRODUCT DESCRIPTION: Ester Oil Charge

PRODUCT CODE: BLA005

DISTRIBUTOR

AC Avalanche LLC

809 110th Street

Arlington, TX 76011

Emergency Contact: Ginger Stewart

Customer Service: 737-377-0194

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC: 800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Physical:

Compressed Gases

GHS LABEL

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)



Gas cylinder

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H280: Contains gas under pressure; may explode if heated.

PRECAUTIONARY STATEMENTS

Storage:

P410+P403: Protect from sunlight. Store in a well-ventilated place.

HAZARDS NOT OTHERWISE CLASSIFIED:

Liquid can cause burns similar to frostbite.

May displace oxygen and cause rapid suffocation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyol Ester	*	Proprietary
1,1,1,2-tetrafluoroethane	33	811-97-2

COMMENTS: *Ingredients and composition are withheld as trade secret in accordance with 29CFR1910.1200(i).

4. FIRST AID MEASURES

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

SKIN: Immediately rinse skin with plenty of water. If irritation occurs, remove affected clothing. Get medical attention if irritation persists. Wash affected clothing separately before reuse.

INGESTION: If large amounts are swallowed or if you feel unwell, seek medical attention. Do not induce vomiting. Never give anything my mouth to an unconscious person.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention if symptoms persist.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause eye irritation.

SKIN: May cause skin irritation. Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.

INGESTION: May cause gastrointestinal irritation, nausea, and diarrhea.

INHALATION: Not expected to cause irritation under normal conditions. May cause irritation of nose, mucous membranes, and throat when exposed to vapors or mists.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable.

GENERAL HAZARD: Do NOT use water stream or water jet.

EXTINGUISHING MEDIA: Dry chemical, CO₂, Foam, Fog.

OTHER CONSIDERATIONS: Keep adjacent containers cool with water spray.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE FIGHTING EQUIPMENT: In case of fire, wear a full-face positive pressure self-contained breathing apparatus and protective suit.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain and soak up spill with non-combustible absorbent material. Dampen and scoop spilled material into suitable containers, seal and label.

LARGE SPILL: Avoid contact with skin and eyes. Evacuate the area of all non-essential personnel. Shut off leaks, if possible, without personal risk. Absorb or contain liquid with non-combustibles absorbent material. Place in a labelled, sealable container for subsequent safe disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent material from entering drains or watercourses using sand, earth or other appropriate barriers.

LAND SPILL: Prevent contamination of the soil.

GENERAL PROCEDURES: Do not touch or walk through spilled materials. Avoid contact with spilled materials. Use appropriate personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Caution: surfaces may become slippery after spillage. Clean contaminated surfaces thoroughly.

SPECIAL PROTECTIVE EQUIPMENT: Use protective equipment recommended in Section 8.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Handle in accordance with good industrial hygiene and safety practices.

HANDLING: Avoid contact with skin and eyes. Wash hands before eating, drinking, or smoking.

STORAGE: Keep container tightly closed in a dry, well-ventilated place away from heat, open flame, or sources of ignition. Store away from incompatible materials (see section 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type	ppm	mg/m ³	
1,1,1,2-tetrafluoroethane	Supplier OEL	TWA	1000	

ENGINEERING CONTROLS: Provide adequate ventilation. Eye washes and showers for emergency use.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles; add a face shield when transferring material.

SKIN: Use protective clothing, sleeves, boots, face protection and chemical resistant gloves.

RESPIRATORY: Under normal conditions, respiratory equipment is not necessary. Wear suitable respiratory equipment if risk of insufficient ventilation or risk of breathing mists or vapors from heated materials.

PROTECTIVE CLOTHING: Wear full protective clothing and chemical resistant gloves to prevent prolonged skin contact.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face before eating, drinking, smoking and using the restroom. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild

COLOR: Clear/faintly yellow

PHYSICAL STATE COMMENTS: Compressed liquefied gas

pH: Not Available

FLASH POINT AND METHOD: 265°C COC-ASTM D-92

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

POUR POINT: -27°C

DENSITY: 0.954 at 15°C

Notes: g/cm³

VISCOSITY #1: 95 cSt at 40°C Kinematic

VISCOSITY #2: 11 cSt at 100°C Kinematic

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contamination with foreign materials.

POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Hydrogen fluoride and carbonyl fluoride if decomposition occurs at temperatures >250°C.

INCOMPATIBLE MATERIALS: Strong oxidizers, strong alkalis, strong acids, strong bases.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

DERMAL LD₅₀: No data available.

ORAL LD₅₀: No data available.

INHALATION LC₅₀: 1500 g/m³ - rat (4h)

NOTES: Information given is based on the toxicology of components in the mixture.

SKIN CORROSION/IRRITATION: Prolonged or repeated contact may dry skin and cause irritation. Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.

SERIOUS EYE DAMAGE/IRRITATION: Not a primary irritant.

RESPIRATORY OR SKIN SENSITISATION: Not Available

GERM CELL MUTAGENICITY: Not Available

CARCINOGENICITY

NOTES: Not Available

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Not Available

STOT-REPEATED EXPOSURE: None Expected.

ASPIRATION HAZARD: Not classified as an aspiration hazard.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not classified as an environmental hazard.

BIOACCUMULATION/ACCUMULATION: Not expected to bio-accumulate.

DISTRIBUTION: Low mobility due to low water solubility.

AQUATIC TOXICITY (ACUTE)

Notes: Not Available

CHEMICAL FATE INFORMATION: Partially biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: 1,1,1,2-Tetrafluoroethane

PRIMARY HAZARD CLASS/DIVISION: 2.2

UN/NA NUMBER: UN3159

PACKING GROUP: N/A

PLACARDS: Compressed gas

OTHER SHIPPING INFORMATION:

These shipments are ORM.D and exempt from bill of lading requirements when sent via ground under 1 liter when packaged for retail sale as per 49 CFR 173.306. If product exceeds 1 liter then will comply with the above:

AIR (ICAO/IATA)

SHIPPING NAME: 1,1,1,2-Tetrafluoroethane

UN/NA NUMBER: UN3159

PRIMARY HAZARD CLASS/DIVISION: 2.2

PACKING GROUP: N/A

PLACARDS: Compressed gas

VESSEL (IMO/IMDG)

SHIPPING NAME: 1,1,1,2-Tetrafluoroethane

UN/NA NUMBER: UN3159

PRIMARY HAZARD CLASS/DIVISION: 2.2

PACKING GROUP: N/A

PLACARDS: Compressed gas

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 PHYSICAL HAZARDS: Gases Under Pressure

313 REPORTABLE INGREDIENTS: All components listed or exempt.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: NA = Not Applicable

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Contains no CERCLA regulated ingredients at detectable levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
1,1,1,2-tetrafluoroethane	811-97-2

TSCA STATUS: All components listed or exempt.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are listed or exempt.

16. OTHER INFORMATION

REASON FOR ISSUE: Revision

APPROVED BY: Ginger Stewart

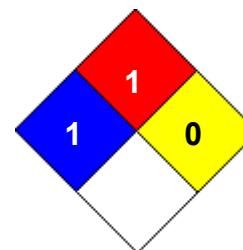
PREPARED BY: Shrieve Chemical Products HSE Department

Date Prepared: 10/17/2023

HMIS RATING

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA CODES



MANUFACTURER DISCLAIMER: The information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.