

SECTION I - IDENTIFICATION

Product identifier used on the label: Tec-Guard Calibration Fluid
Stock Number: 4861533

Other means of identification:

Synonyms: None

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: Tec-Guard. 2929 5th Avenue
Rock Island, IL 61201

Telephone number: 1-309-788-5631

E-mail address: info@tec-guard.com

Emergency phone number: Chemtrec: (800) 424-9300

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 4
Acute Toxicity, Oral	Category 4
Acute Toxicity, Dermal	Category 5
Acute Toxicity, Inhalation	Category 5

WARNING!

GHS LABEL:



Hazard Statements

H227	Combustible liquid
H302	Harmful if swallowed.
H313	May be harmful in contact with skin
H333	May be harmful if inhaled.



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Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surface - No smoking.
- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- p304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or a doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P370+378 In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
- P403+235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to an approved waste disposal plant.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Petroleum Distillates, Hydrotreated, Light	64742-47-8	60 - 70	500 ppm	500 ppm
Light Naphthenic Hydrotreated Distillates	64742-53-6	25 - 35	5mg/m ³ (Oil Mist)	5mg/m ³ (Oil Mist)
Calcium Sulfonate	61789-86-4	1 - 5	5 mg/m ³ (Mists)	5 mg/m ³ (Mists)
Barium Sulfonate	61790-48-5	1 - 5	Not Established	Not Established

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Do not induce vomiting. Seek immediate medical attention.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO₂, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Product is flammable and may be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep all sources of ignition and hot metal surfaces away from spill or release.
Evacuate all unprotected personnel from the area.

Environmental Precautions: Prevent liquid from entering drains, sewers, or waterways.
Contain spill if it can be done with minimal risk.
Notify proper authorities.

Methods for Cleaning Up: Use foam on spills to minimize vapors.
Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Vent container carefully before opening.
- "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
- Keep containers tightly closed when not in use.
- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
- NFPA Class III B storage.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**EXPOSURE LIMITS:**

Component Name	CAS #	OSHA PEL	ACGIH TLV
Petroleum Distillates, Hydrotreated, Light	64742-47-8	500 ppm	500 ppm
Light Naphthenic Hydrotreated Distillates	64742-53-6	5mg/m ³ (Oil Mist)	5mg/m ³ (Oil Mist)
Calcium Sulfonate	61789-86-4	5 mg/m ³ (Oil Mists)	5 mg/m ³ (Oil Mists)
Barium Sulfonate	61790-48-5	Not Established	Not Established

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Follow accepted work practices for handling a flammable material. Do not eat, drink or smoke in areas where this chemical is used or stored. Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistant gloves.
Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light Brown Liquid.
Odor	Kerosene-like odor.
pH@25°C	-
Melting/Freezing Point	N/Av
Flashpoint	160°F (Minimum), TCC
Specific Gravity	0.8200
Solubility	Negligible
Auto-Ignition Temperature	N/Av
Decomposition Temperature	N/Av
VOC Content	N/Av
Odor Threshold	N/Av
Boiling Range	410-640°F
Evaporation Point	N/Av (Butyl Acetate=1)
Flammable Limits - Upper	N/Av
Flammable Limits - Lower	N/Av
Vapor Pressure	0.04 @ 20°C
Vapor Density (Air=1)	>1 (Air=1)
Viscosity	2.50 cSt @ 40 C

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extreme heat and ignition sources.

Hazardous Decomposition/Byproducts: CO, CO₂, and various hydrocarbons under combustion conditions.



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Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation, ingestion possible.

Inhalation: May cause irritation to the upper respiratory tract and CNS depression.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.

No harmful effects from skin adsorption are expected.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

Toxicity:

Component Name	LD50	LC50
Petroleum Distillates, Hydrotreated, Light	Oral - rat - > 5000 mg/kg - Dermal - rabbit - >2000mg/kg	Inhalation - rat - >5 mg/l / 4 h
Light Naphthenic Hydrotreated Distillates	Not Established	Not Established
Calcium Sulfonate	> 20 g/kg in Rats	Not Established
Barium Sulfonate	Oral - Rat - 3000 mg/kg	Not Established

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.



Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Combustible Liquid, N.O.S.
Contains: Petroleum Distillates
Hazard Class and Label: 3
Identification Number: NA1993
Packaging Group: III

SECTION XV - REGULATORY INFORMATION

TSCA STATUS.....The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
		X		

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health:..... 1
HMIS Flammability: 2
HMIS Reactivity: 0



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Additional:

For shipments by ground within the United States or Canada, the Limited Quantity or Consumer commodity exceptions may apply. Under the US 49 CFR, refer to Section 173.150 for additional exception requirements.