

**Safety Data Sheet**  
Viscor Calibration Fluid 1487

**SECTION I - IDENTIFICATION**



Rock Valley Oil & Chemical  
1911 Windsor Road  
Rockford, IL 61111  
(815) 654-2400  
(800)535-5053 Outside US: :..... (352) 323-3500

**PRODUCT NUMBER:** ..... CF1487  
**PRODUCT NAME:** ..... Viscor Calibration Fluid 1487  
**CHEMICAL FAMILY:** ..... Calibration Fluid  
**CAS NUMBER:** ..... Multiple  
**DATE PREPARED:** ..... 5/27/2015  
**REVISION NUMBER:** ..... 5/27/2015

**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 <sup>3</sup> (Oil Mist)	5mg/m <sup>3</sup> (Oil Mist)
Calcium Sulfonate	61789-86-4	1 - 5	5 mg/m <sup>3</sup> (Mists)	5 mg/m <sup>3</sup> (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.

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**SECTION V - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog, foam, CO<sub>2</sub>, 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 distance 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 <sup>3</sup> (Oil Mist)	5mg/m <sup>3</sup> (Oil Mist)
Calcium Sulfonate	61789-86-4	5 mg/m <sup>3</sup> (Oil Mists)	5 mg/m <sup>3</sup> (Oil Mists)
Barium Sulfonate	61790-48-5	Not Established	Not Established

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**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**

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

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Extreme heat and ignition sources.

**Hazardous Decomposition/Byproducts:** CO, CO<sub>2</sub>, 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.

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**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.