

MATERIAL SAFETY DATA SHEET

MSDS Name: 16B Calibration Fluid
Product Code: CF16B
Suffix Number 0001
MSDS Revision Date: 10-19-06
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SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: 16B Calibration Fluid
CAS Number N/A - Mixture
Hazard Rating: Health: 1 Fire: 2 Reactivity: 0 PPI:

Company Identification: Rock Valley Oil & Chemical Co.
1911 Windsor Road
Rockford IL 61111

Telephone/Fax: (815) 654-2400 (815) 654-2428
Emergency Phone (Days Only): (815) 654-2400
INFOTRAC (In-transit only) 800-535-5053 24 Hour
Preparer William Alldritt

Product Class Calibration fluid
Trade Name 16B Calibration Fluid
Product Code CF16B

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient Name	CAS Number	Percent	TSCA
Petroleum hydrocarbon	8052-41-3	60 - 100	Y

Additional Comments:

This ingredient is considered to be a hazardous product under the OSHA Hazard Communication Standard (29 CFR 1910.1200). Its hazards are combustible hazard and delayed (chronic) health effects. Trace impurities and additional material names not listed above may also appear in the Additional Regulatory Information section (#10). These materials may be listed for local "Right to Know" compliance and for other reasons.

SECTION 3 - PHYSICAL DATA

Form: Liquid
Color: Colorless
Odor: Kerosine-like
pH Value: Not Available
Boiling Range/Point: 313.0°F - 355.0°F
Vapor Pressure (mmHg): 1.1@ 68.0°F
Vapor Density: Heavier than air
% Volatile By volume 100.%
Specific Gravity: 0.7865

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flammability Class II
Flash Range/Point: 109.0°F Tag Closed Cup
Explosive Range: 2.3%-12.1%

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EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced firefighters. Halon may decompose into toxic materials. Carbon dioxide can displace oxygen. Use caution when applying halon or carbon dioxide in confined spaces.

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters should wear bunker gear and self-contained breathing apparatus for fires beyond the incipient stage. In addition, wear other appropriate equipment as conditions warrant (see Section 8).

Isolate damage area; stop spill/release if it can be done with minimal risk. Move undamaged containers from danger area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

UNUSUAL FIRE & EXPLOSION HAZARDS:

This material is flammable (or combustible per 49 CFR 173.120 (b)(2)) and may be ignited by heat, sparks, flames, or other sources of ignition, (e.g., static electricity, pilot lights, or mechanical/electrical equipment). 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. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can explode in the heat of a fire. CAUTION: Never use cutting torch on empty containers! Residual solvent vapor in empty container may explode.

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYES:

Slightly irritating but should not injure eye tissue.

SKIN:

Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

BREATHING:

High vapor/aerosol concentrations (greater than approx. 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, and unconsciousness.

SWALLOWING:

Minimal toxicity. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

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FIRST AID:

EYES:

Flush eyes with large amounts of water, lifting eyelids occasionally. If symptoms persist, seek medical attention.

SKIN:

Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun.

BREATHING:

If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel.

SWALLOWING:

Aspiration hazard! DO NOT induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious, place on the left side with the head down. If possible, do not leave victim unattended. Seek medical attention.

SECTION 6 - REACTIVITY DATA

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Avoid contact with strong oxidizing agents.

CONDITIONS TO AVOID:

Keep away from heat, sparks and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fumes, smoke and carbon dioxide upon combustion.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep all sources of ignition and hot metal surfaces away from spill/release. Use non-sparking tools and explosion-proof equipment. Stay upwind and away from spill/release. Isolate danger area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. Prevent spilled material from entering sewers, drains, and natural waterways. Dike far ahead of spill for later recovery or disposal. Use foam on spills to minimize vapors. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (800/424-8802).

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WASTE DISPOSAL METHOD:

Recovered material should be packaged, labeled, transported, disposed of or reclaimed in compliance with applicable laws and regulations and in conformance with good safety and engineering practices.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
Petroleum hydrocarbon	100.00 PPM	N/est	N/est	N/est	100.00 PPM

PERMISSIBLE EXPOSURE LEVEL:

100 ppm.

RESPIRATORY PROTECTION:

If the TLV of the product is exceeded, a NIOSH approved air supply respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Select respirators based on form and concentration of contaminant in air. Adhere to 29 CFR 1910.134.

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

PROTECTIVE GLOVES:

Chemical/solvent resistant for prolonged contact.

EYE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised (consult your safety equipment supplier).

OTHER PROTECTIVE EQUIPMENT:

Boots, aprons, chemical resistant suits where deemed necessary to avoid contact during prolonged exposure.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

"Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Keep product away from heat, sparks, pilot lights, static electricity and open flame. Keep container closed.

OTHER PRECAUTIONS:

Employees must practice good personal hygiene, washing exposed skin several times daily and laundering contaminated clothing before reuse.

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COMMENTS:

DOT Hazard Classification: 3
DOT Shipping Name: Petroleum distillates, n.o.s.
DOT I.D. No: UN1268
Packing Group: III
ERG #128

In accordance with 49 CFR 173.150 (f)(1), non-bulk quantities of this material (less than 119 gallons per container) may be shipped as non-regulated for USA domestic shipments.

The information presented herein is believed to be factual. It has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a legal warranty or representation for which the manufacturer bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine if they are appropriate.

SECTION 10 - ADDITIONAL REGULATORY INFORMATION

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent
95-63-6	1,2,4-Trimethylbenzene	<8.0

If you are unsure whether you are subject to the reporting requirements of EPCRA Section 313, or need more information, call EPA's EPCRA Hotline at (800) 424-9346, or (703) 412-9877. Your other suppliers should also be notifying you about EPCRA Section 313 chemicals in the mixtures and other trade name products that they sell to you.

GLOSSARY

N/AV = Not Available; N/A = Not Applicable; N/D = Not Determined
N/est = Not established; TLV = Threshold Limit Value
