

# SPECTRUM QUALITY STANDARDS

17360 GROSCHKE RD.  
HOUSTON, TX 77084  
PHONE: 281-578-7575 • FAX: 281-578-7576

Part Number: CFPP3, -16  
SAFETY DATA SHEET  
Date: 12/23/2021

## SECTION 1: IDENTIFICATION

Chemical Product Identity: **COLD FILTER PLUG POINT CALIBRATION STANADARD**

**A 250 or 500 ml bottle containing D6371/IP309 Cold Filter Plug Point standard at -46°C in a balance of Diesel Fuel (see Section 3).**

Part Number: **CFPP3, CFPP3-16**

Emergency Telephone Number: **1-800-535-5053 or 1-352-323-3500 (Outside the U.S.)**

## SECTION 2: HAZARD(S) IDENTIFICATION

### IDENTIFICATION: COMBUSTIBLE & FLAMMABLE LIQUID.

Flammable liquids (Category 3), H226  
Acute toxicity, Inhalation (Category 4), H332  
Skin irritation (Category 2), H315  
Carcinogenicity (Category 2), H351  
Specific target organ toxicity - repeated exposure (Category 2), H373  
Aspiration hazard (Category 1), H304  
Short-term (acute) aquatic hazard (Category 2), H401  
Long-term (chronic) aquatic hazard (Category 2), H411

### SYNONYMS:

Automotive diesel oil  
Diesel  
Diesel fuel no. 1  
Diesel fuel (general)  
Diesel fuel oil  
Diesel fuel oil no. 1-D  
Diesel fuels  
Diesel oil  
Diesel oil (petroleum)  
Diesel oils  
Fuel oil no. 1-D  
Fuels, diesel  
Gas oil

### GHS LABELS:



### SIGNAL WORD: DANGER

### HAZARD STATEMENTS:

H226 Flammable liquid and vapor.  
H304 May be fatal if swallowed and enters airways.  
H313 May be harmful in contact with skin.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS:

P273 Avoid release to the environment.  
P281 Use personal protective equipment as required.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P331 Do NOT induce vomiting

For IATA Proper Shipping Name and identification, refer to **Section 15** of this text. Please refer to **Section 11 & 15** for Health Hazard information.

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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Num	OSHA PEL/TWA	ACGIH TLV/TWA	% WT	Chemical Formula
Diesel Fuel	68334-30-5	Not established	100 mg/m3 (vapor & aerosol) skin, CDA3	99+	Complex hydrocarbon mixture

\* Any component that comprises .1% or less, is not required to be listed individually on a SDS. Please consult the Certificate of Analysis for this information.

## SECTION 4: FIRST-AID MEASURES

**Inhalation:** If large amounts inhaled, remove victim to fresh air. If breathing is difficult give oxygen. If breathing has stopped administer mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Contact physician.

**Eye Contact:** Contamination of the eyes should be treated by immediate and prolonged irrigation with copious amounts of lukewarm water by separating the eyelids with fingers. Contact physician.

**Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of lukewarm water.

**Ingestion:** If swallowed, get medical attention immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

## SECTION 5: FIRE-FIGHTING MEASURES

Flash Point (Method):	≥ 56°C (≥ 133°F) - closed cup	
Flammable Limits:	LEL (1.3%)	UEL (6%)

**Extinguishing Media:** Carbon dioxide, dry chemical powder, Halon, water spray or standard foam.

**Special Fire Fighting Procedures:** Wear full protective clothing and self-contained positive pressure breathing apparatus certified by NIOSH, when fighting chemically related fires.

**Unusual Fire and Explosion Hazards:** Flammable. Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Use water spray to cool unopened containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Procedure for Spill Control:** Shut off all sources of ignition. Restrict access to area until completion of clean-up. Ventilate area. Notify government occupational health and safety and environmental authorities.

**Personal Procedure:** Wear appropriate respiratory and personal protective equipment when engaged in clean-up outside of hood.

**Clean-Up Procedure:** Absorb with non-combustible absorbent. Place leaking ampoules in a plastic bag containing absorbent and dispose of as hazardous waste.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Adequate ventilation is required to protect personnel from exposure to chemical vapors exceeding PEL and to minimize fire hazards. Safety glasses are considered minimum protection. The choice of protective gloves or clothing must be based on chemical-resistance and other user requirements. Chemical-resistant protective gloves and clothing are recommended. Remove and wash contaminated clothing promptly.

**Storage:** Store in a cool dry place. Keep away from heat, sparks, open flame, and oxidizing agents. Proper storage must be determined based on other materials stored and their hazards and potential chemical incompatibility. Store in an acceptable, protected and secure, 'Flammable Liquid Storage' cabinet or room.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory:** Use NIOSH approved respirator equipment.

**Eyes:** Chemical safety goggles or face shield may be necessary depending on quantity of material and conditions of use. Emergency eye wash fountains should be available in the vicinity of any possible exposure.

**Skin:** Generally, BUNA-N offers acceptable chemical resistance. Individuals who are acutely and specifically sensitive to this chemical may require additional protective clothing.

For OSHA's PEL/TLV information, please refer to **Section 3**.

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity (H2O = 1):	0.81-0.94 at 15°C	
Evaporation Rate (n-butyl acetate = 1):	Varies, more volatile components are lost by evaporation.	
Boiling Point (°C):	141 - 462°C (286 - 864°F) at 1,013 hPa (760 mmHg)	
Vapor Pressure:	Varies on composition	
Vapor Density (Air = 1):	Not available	
Solubility (Miscible) in Water:	Insoluble (X)	Soluble ( )
Appearance & Odor:	Colorless to brown liquid with a kerosene-like odor.	

## SECTION 10: STABILITY & REACTIVITY

Stability:	Stable (X)	Unstable ( )
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**Conditions to Avoid:** Heat, sparks, open flame, and poor ventilation. Do not leave this material, or any other, in an open container. User must follow all proper handling, storage and safety measures.

**Incompatibility (Materials to Avoid):** STRONG OXIDIZING AGENTS (e.g. peroxides, nitrates and perchlorates) – can increase risk of fire and explosion.

**Hazardous Decomposition or By-products:** During a fire, carbon monoxide, carbon dioxide, irritating aldehydes and ketones and other irritating/toxic gases may be generated.

## SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation? **YES**      Skin? **YES**      Ingestion? **YES**

**Inhalation:** Symptoms of exposure may include light-headedness; headache; nausea; numbness in the extremities; muscle weakness and irritation to mucous membranes.

**Eye Contact:** Vapor or mist is irritating to the eyes.

**Skin Contact:** Contact with skin may cause dermatitis.

**Ingestion:** Harmful if swallowed.

For more information on acute and chronic effects, and the numerical measures of toxicity, please refer to **Section 15**.

\***Note:** Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200(g)(2)).

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## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity to fish:

LC50 - Oncorhynchus mykiss (rainbow trout) - 21 mg/l - 96 h.

### Toxicity to algae:

EC50 - Pseudokirchneriella subcapitata (green algae) - 10 mg/l - 72 h.

**Biodegradability:** Aerobic Result: 57.5 % - According to the results of tests of biodegradability this product is not readily biodegradable.

**Bioaccumulation:** No data available.

**Mobility in soil:** No data available.

**Results of PBT and vPvB assessment:** No data available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Burn in a chemical incinerator equipped with an afterburner and scrubber. If contaminated with other chemicals, fully comply with all Federal, State, and Local regulations prior to disposal

## SECTION 14: TRANSPORT INFORMATION

All of Spectrum Quality Standards products are shipped following proper IATA regulations.

**Spectrum Quality Standards Part Number: CFPP3, CFPP3-16**

### DOT (US)

UN number: 1202 Class: 3 Packing group: III  
Proper shipping name: Diesel fuel  
Marine Pollutant: No  
Poison Inhalation Hazard: No

### IMDG

UN number: 1202 Class: 3 Packing group: III  
Proper shipping name: Diesel fuel  
Marine pollutant: No

### IATA

UN number: 1202 Class: 3 Packing group: III  
Proper shipping name: Diesel Fuel

This item is considered "Dangerous Goods" in "Excepted Quantities" by IATA regulation. Quantities exceeding 500 ml may be shipped as "Dangerous Goods". Please contact us for more information if needed.

## SECTION 15: REGULATORY INFORMATION (per chemical)

The IATA Packing Instruction and Authorization is dependent upon the quantity, which may vary. This information may be subject to change per size variations obtained, please verify information.

CHEMICAL NAME		National Fire Protection Association (NFPA) Hazard Identification			
Diesel Fuel		NFPA – Health: 1 - Exposure would cause significant irritation, but only minor residual injury.			
DSL/NDL		NFPA – Flammability: 2 - Must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.			
17184		NFPA – Instability: 0 - Normally stable, even under fire conditions, and not reactive with water.			
EU EINECS/ELINCS Number	HMIS Classification	TSCA		SARA Title 3	
269-822-7	Health Hazards: <b>1</b>	Status: FOUND Submitter Name: Diesel oil (petroleum); Diesel test fuel Chemical Substance Definition: A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 163°C to 357°C (325°F to 675°F). Former CAS Number: 68512-90-3 Molecular Formula: Unspecified UVCB Flags: UVCB		Status: NOT FOUND	
DOT TRANSPORT					
Chronic Health Hazard: <b>No data</b>	Flammability: <b>2</b>				
Identification Number: <b>UN1202</b>	Physical Hazards: <b>0</b>	OSHA Hazard Evaluation: Meets criteria for hazardous material, as defined by 29 CFR 1910.1200			
Hazard Class/Division: <b>3</b>		NTP/ROC: Found - National Toxicology Program Pursuant to Section 301(b) (4) of the Public Health Service Act as Amended by Section 262, PL 95-622			
Packing Group: <b>III</b>					
Label(s): <b>3 – Flammable Liquid</b>					
WHMIS Classification					
No data					
Human Toxicity Information			Animal Toxicity Values		
The International Agency for Research on Cancer (IARC) has concluded that this chemical is not classifiable as to its carcinogenicity to humans. (Diesel fuels, distillate (light; mixture)) The American Conference of Governmental Industrial Hygienists (ACGIH) has designated this chemical as an animal carcinogen. (Diesel fuel) The US National Toxicology Program (NTP) has not listed this chemical in its report on carcinogens.			LD50 Oral - rat - 17,900 mg/kg LC50 Inhalation - rat - 4 h - 5.6 mg/l LD50 Dermal - rabbit - > 4,300 mg/kg Skin - rabbit - Irritating to skin. - 24 h - OECD Test Guideline 404 Eyes - rabbit - No eye irritation - 24 h - OECD Test Guideline 405 Maximization Test - guinea pig - Did not cause sensitization on laboratory animals. - OECD Test Guideline 406		

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### SECTION 16: OTHER INFORMATION

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**DISCLAIMER:** This Material Safety Data Sheet is offered without charge to the clients of Spectrum Quality Standards. Data is the most current available to Spectrum at the time of preparation and is issued as a matter of information only, no warranty as to its accuracy or completeness is expressed or implied.

Unless otherwise noted, the above information pertains only for the solvent and similar types of components in the sample. Per GHS & OSHA requirements, please note that Spectrum Quality Standards does not manufacture pure components but rather blend existing components to create ASTM approved standards.

When no toxicity data is provided, it is prudent to handle this chemical as hazardous. Furthermore, since individual chemical hypersensitivity cannot be predicted, every chemical should be handled with due respect.