



# AccuStandard<sup>®</sup>, Inc.

125 Market St., New Haven, CT 06513 USA

Tel: 203-786-5290 Fax: 203-786-5287

## SAFETY DATA SHEET

### **SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

#### 1.1 - Product Identifiers

Catalog Name: ASTM-P-131-05

Description: Cloud Point, Approx. Value (-20 °C)

#### 1.2 - Relevant Identified Uses of the Substance or Mixture

Laboratory Chemical Reference Material

#### 1.3 - Supplier Details

Company: AccuStandard, Inc.  
125 Market St.  
New Haven, CT 06513 USA

Telephone Number: 203-786-5290

Fax: 203-786-5287

Email: edocs@accustandard.com

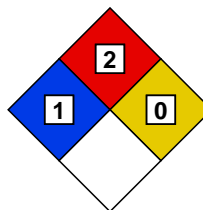
#### 1.4 - Emergency Telephone Number

Emergency Phone #: AccuStandard, Inc.  
1-203-502-7070 (USA)  
+001-203-502-7070 (International)

24 hours / 7 days a week

### **SECTION 2 - HAZARDS IDENTIFICATION**

#### 2.1 - GHS Label Elements



1	HEALTH
2	FLAMMABILITY
0	PHYSICAL HAZARD

**Signal Word: Warning**

**Hazard Codes:**

H226 - Flammable liquid. (Flammable liquids, category 3)

H302 - Harmful if swallowed. (Acute toxicity, oral, category 4)

H305 - Aspiration hazard if swallowed - may be harmful if swallowed and enters airways. (Aspiration hazard, category 2)

H315 - Irritating to skin. (Skin corrosion/irritation, category 2)

H320 - Irritating to eyes. (Eye damage/irritation, category 2B)

H413 - May cause long-term adverse effects in the aquatic environment.

**Precautionary Codes:**

P202 - This product should only be used by persons trained in the safe handling of hazardous chemicals.

P210 - Store in a cool dry place away from ignition sources.

P233 - Store in a tightly closed container. (P404)

**SECTION 2 - HAZARDS IDENTIFICATION** - continued**2.1 - GHS Label Elements** - continued

P260 - Do not breathe vapor.

P262 - Do not get in eyes, on skin or clothing.

P264 - Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

P284 - Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), or a risk assessment shows air-purifying respirators are appropriate, use of a NIOSH/MSHA approved air supplied respirator is advised. Use a full-face respirator with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges in absence of proper environmental control. Always use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Engineering and/or administrative controls should be implemented to reduce exposure.

P331 - Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

P338 - Eye contact: Immediately flush with plenty of water. After initial flushing, remove and contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

P360 - Skin contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**2.2 - Other Hazards****2.2.1 - Symptom of Exposure Health/Environment**

Flammable liquid. (Flammable liquids, category 3)

Ingestion may cause drowsiness, blood pressure depression, diarrhea, nausea, and decrease in red blood cells.

Aspiration hazard if swallowed - may be harmful if swallowed and enters airways. (Aspiration hazard, category 2)

Causes depression of central nervous system.

Inhalation of excessive vapor or mist concentrations may be irritating to the respiratory passages. May cause headache, dizziness, nausea, vomiting and loss of coordination can result, depending on the concentration and exposure time.

May cause long-term adverse effects in the aquatic environment. (H413)

**2.2.2 - Potential Health Effects**

Irritating to eyes. (Eye damage/irritation, category 2B)

Irritating to skin. (Skin corrosion/irritation, category 2)

May be harmful if absorbed through the skin. (Acute toxicity, dermal, category 5)

Irritating to mucous membrane and upper respiratory system.

May be harmful if inhaled. (Acute toxicity, inhalation, category 5)

Harmful if swallowed. (Acute toxicity, oral, category 4)

**2.2.3 - Routes of Entry**

Inhalation, ingestion or skin contact.

**2.2.4 - Carcinogenicity**

Contains one or more components that are classified (ACGIH, IARC, NTP, OSHA) as a suspected cancer hazard in quantities less than 0.1%.

**SECTION 3 - COMPOSITION / ANALYTES DATA**

Description: Cloud Point, Approx. Value (-20 °C)

Synonyms: N/A

Molecular Weight: N/A

**SECTION 3 - COMPOSITION / ANALYTES DATA** - continued

Molecular Formula: N/A

Analyte	CAS #	% Concentration	ACGIH -TLV (mg/m <sup>3</sup> )			OSHA -PEL (mg/m <sup>3</sup> )		
			TWA	STEL	Skin	TWA	STEL	Skin
#2 Diesel Fuel	68334-30-5	66.660						
Kerosine	8008-20-6	33.330						

**SECTION 4 - FIRST AID MEASURES****4.1 - First Aid Procedures - General**

Get medical assistance for all cases of overexposure.

**4.2 - Eye Contact**

Eye contact: Immediately flush with plenty of water. After initial flushing, remove and contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. (P338)

**4.3 - Skin Contact**

Skin contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. (P360)

**4.4 - Inhalation**

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**4.5 - Ingestion**

Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. (P331)

**SECTION 5 - FIRE FIGHTING MEASURES****5.1 - Flammable Properties**

Vapors can travel to a source of ignition and flash back.

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**5.2 - Extinguishing Media**

Use alcohol foam, carbon dioxide, or dry chemical when fighting fires involving this material.

Water or foam may cause frothing.

Do not spray water directly on oil fire.

Water spray to cool fire-exposed containers and disperse vapors.

**5.3 - Protection of Firefighters**

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

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****6.1 - Spill Response**

Wear suitable protective equipment listed under Exposure Controls / Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if this can be done without risk. Dispose as hazardous waste. Comply with Federal, State and local regulations.

**SECTION 7 - HANDLING AND STORAGE**

Store in a tightly closed container. (P404)

Store in a cool dry place away from ignition sources.

Do not breathe vapor. (P260)

Use with adequate ventilation.

Do not get in eyes, on skin or clothing. (P262)

Avoid prolonged or repeated exposure.

This product should only be used by persons trained in the safe handling of hazardous chemicals. (P202)

**SECTION 8 - EXPOSURE CONTROLS****8.1 - Engineering Controls/PPE**

Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available. (P264)

**8.2 - General Hygiene Considerations**

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), or a risk assessment shows air-purifying respirators are appropriate, use of a NIOSH/MSHA approved air supplied respirator is advised. Use a full-face respirator with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges in absence of proper environmental control. Always use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Engineering and/or administrative controls should be implemented to reduce exposure.

Material should be handled or transferred in an approved fume hood or with adequate ventilation.

Protective gloves should be worn to prevent skin contact.

(Nitrile or equivalent)

Safety glasses with side shields must be worn at all times.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Light color to brown oily liquid

Odor: Kerosene-like

Odor Threshold: N/A

pH: N/A

Melting Point: < -38 °C

Boiling Point: 171.5 - 315.5 °C (340 - 600 °F)

Flash Point: 130 °F (54 °C) (tcc)

Evaporation Rate (Butyl Acetate=1): 10-11 (approx.)

Flammability Class: N/A

Lower Flammability Level: 0.4

Upper Flammability Level: 6

Vapor Pressure: >1 mmHg

Vapor Density (Air = 1): 5 (approx.)

Specific Gravity: 0.85 - 0.93 g/cm<sup>3</sup>

Solubility in Water: Insoluble

Partition Coefficient: N/A

Autoignition Temperature: 230°C

Decomposition Temperature: N/A

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** - continued

Viscosity: 11 cSt (40 °C)

VOC Content: N/A

Percent Volatile: 99+

**SECTION 10 - STABILITY AND REACTIVITY**

Stability: Stable

Materials to Avoid: Oxidizers

Hazardous Decomposition: Carbon oxides; Hydrocarbons

Hazardous Polymerization: Will not occur

Condition to Avoid: Heat; Contact with ignition sources

**SECTION 11 - TOXICOLOGICAL INFORMATION****Human Health Toxicity**

See section 2 for specific toxicological information for the ingredients of this product.

LD50 (Oral): Rat - 490 mg/kg

LD50 (Dermal) : Rabbit - >2000 mg/kg

LC50 (Inhalation): Rat - >20 mg/L

Aspiration hazard if swallowed - may be harmful if swallowed and enters airways. (Aspiration hazard, category 2)

WARNING: This product contains chemical(s) known to the state of California to cause cancer.

No other information related to the toxicological properties of this product is available at this time.

**SECTION 12 - ECOLOGICAL INFORMATION****Environmental Toxicity**

By complying with sections 6 and 7 there should be no release to the environment.

LC50 (Fish): 35mg/L 96H

EC50 (Aquatic Invertebrate): N/A

BCF: N/A

Readily biodegradable. Contains constituents with the potential to bioaccumulate.

No other information related to the ecological properties of this product is available at this time.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Recycle or incinerate at any EPA approved facility or dispose in compliance with Federal, State and local regulations. Empty containers must be triple-rinsed prior to disposal.

**SECTION 14 - TRANSPORT INFORMATION**Transportation Information (DOT/IATA)

UN Number: UN1202

Class: 3

Packing Group: III

Proper Shipping Name: Diesel fuel

Poison by Inhalation: No

**SECTION 14 - TRANSPORT INFORMATION** - *continued*

Marine Pollutant: No

**SECTION 15 - REGULATORY INFORMATION**

All components are listed on the TSCA Inventory.

WARNING: This product contains chemical(s) known to the state of California to cause cancer.

This product is or contains a variable complex mixture of components, principally hydrocarbons, blended to performance, rather than chemical specifications, and typically contains the following components:

Naphtha (petroleum) light-heavy catalytic cracked, full-range reformed/alkylyte, sweetened; Butane; Proprietary additives.

May also include varying amounts of the following components:

Benzene; Cumene; Cyclohexane; Ethylbenzene; Naphthalene; Hexane; Toluene; Xylene.

**For laboratory, research and development use only. Not for manufacturing or commercial purposes.**

In addition to federal and state regulations, local regulations may apply. Check with your local regulatory authorities.

**SECTION 16 - OTHER INFORMATION**

This document has been designed to meet the requirements of OSHA, ANSI, GHS and CHIPs regulations. Chemicals are classified using the Globally Harmonized System for Classification and Labeling of Chemicals.

The statements contained herein are offered for informational purposes only and are based on technical data that we believe to be accurate. The manufacturer will not assume any liability for the accuracy and completeness of this information. Final determination of the suitability of the material is the responsibility of the user. Although certain hazards are described herein, the user should not presume that these are the only hazards that exist. Since conditions and manner of use are outside of the manufacturers control, we make

**NO WARRANTY OF MERCHANTABILITY, EXPRESSED OR IMPLIED, AND ASSUME NO LIABILITY RESULTING FROM ITS USE.**

Legend : N/A = Not Available ND = Not Determined NR = Not Regulated

Alteration of any information contained herein without written permission from the manufacturer is strictly prohibited.

**HMIS/NFPA HAZARD INDEX**

- 0 - Minimal
- 1 - Slight
- 2 - Moderate
- 3 - Serious
- 4 - Severe

\* - Additional Hazard

**GHS HAZARD INDEX**

Category 1 - Most Severe

Category 5 - Least Severe

\*\*\*\* End of Document \*\*\*\*