



# AccuStandard<sup>®</sup>, Inc.

125 Market St., New Haven, CT 06513 USA  
Tel: 203-786-5290 Fax: 203-786-5287

## SAFETY DATA SHEET

### Emergency Contact Information:

AccuStandard, Inc.  
1-203-786-5290

Hours: Monday to Friday 8:00am to 5:00pm EST

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

### **1.1 - Product Identifiers**

Catalog Name: PS-421D-08-1ML

Description: 2-Methyl-3-heptanone

CAS No.: 13019-20-0

### **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**

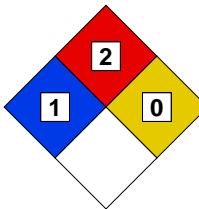
Emergency Phone #: AccuStandard, Inc.

1-203-786-5290

Hours: Monday to Friday 8:00am to 5:00pm EST

## **SECTION 2 - HAZARDS IDENTIFICATION**

### **2.1 - GHS Label Elements**



<input type="checkbox"/>	1	HEALTH
<input type="checkbox"/>	2	FLAMMABILITY
<input type="checkbox"/>	0	PHYSICAL HAZARD

**Signal Word: Warning**

#### **Hazard Codes:**

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

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

H319 - Causes severe eye irritation. (Eye damage/irritation, category 2A)

H335 - May be irritating to mucous membrane and upper respiratory system. (Specific target organ toxicity, single exposure; Respiratory tract irritation, category 4)

#### **Precautionary Codes:**

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

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.

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

P280 - Protective gloves must be worn to prevent skin contact.

P284 - Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure.

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.

P404 - Store in a tightly closed container.

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

Flammable liquid. (Flammable liquids, category 3)

**2.2.2 - Potential Health Effects**

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

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

May be harmful if swallowed. (Acute toxicity, oral, category 5)

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

Causes severe eye irritation. (Eye damage/irritation, category 2A)

May be irritating to mucous membrane and upper respiratory system. (Specific target organ toxicity, single exposure; Respiratory tract irritation, category 4)

**2.2.3 - Routes of Entry**

Inhalation, ingestion or skin contact.

**2.2.4 - Carcinogenicity**

This product is or contains a component that is not listed (ACGIH, IARC, NTP, OSHA) as a cancer causing agent.

**SECTION 3 - COMPOSITION / ANALYTES DATA**

Description: 2-Methyl-3-heptanone

Synonyms: Butyl isopropyl ketone

Molecular Weight: 128.21

Molecular Formula: C8H16O

EC#: 235-877-0

Analyte	CAS Number	% Concentration	ACGIH -TLV (mg/m <sup>3</sup> )			OSHA -PEL (mg/m <sup>3</sup> )		
			TWA	STEL	Skin	TWA	STEL	Skin
2-Methyl-3-heptanone	13019-20-0	100.000						

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

Get medical assistance for all cases of overexposure.

**SECTION 4 - FIRST AID MEASURES** - *continued***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: Call a physician or poison control center immediately. ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

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

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, dry chemical, or water spray when fighting fires involving this material.

**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 area away from ignition sources and oxidizers.

Do not breathe vapor. (P260)

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

Use with adequate ventilation. (P271)

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

Avoid prolonged or repeated exposure.

**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)

**SECTION 8 - EXPOSURE CONTROLS** - *continued***8.2 - General Hygiene Considerations**

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). 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 must be worn to prevent skin contact. (P280)

(Butyl, viton or equivalent)

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

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Liquid

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting Point: N/A

Boiling Point: 158 - 160 °C

Flash Point: 109 °F / 43 °C

Evaporation Rate (Butyl Acetate=1): N/A

Flammability Class: N/A

Lower Flammability Level: N/A

Upper Flammability Level: N/A

Vapor Pressure: N/A

Vapor Density (Air = 1): N/A

Specific Gravity: 0.82 g/cm<sup>3</sup>

Solubility in Water: N/A

Partition Coefficient: N/A

Autoignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

VOC Content: N/A

Percent Volatile: N/A

**SECTION 10 - STABILITY AND REACTIVITY**

Stability: Stable

Materials to Avoid: Oxidizers

Hazardous Decomposition: Oxides of carbon

Hazardous Polymerization: Will not occur

Condition to Avoid: Excessive heat; Exposure to flames

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **Human Health Toxicity**

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

LD50 (Oral): N/A

LD50 (Dermal) : N/A

LC50 (Inhalation): N/A

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): N/A

EC50 (Aquatic Invertebrate): N/A

BCF: N/A

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: UN1224

UN Shipping Class: 3

UN Packing Group: III

UN Proper Shipping Name: Ketones, liquid, n.o.s. (2-Methylheptan-3-one)

Poison by Inhalation: No

Marine Pollutant: No

## **SECTION 15 - REGULATORY INFORMATION**

The CAS number of this product is NOT listed on the TSCA Inventory.

This product is NOT subject to SARA section 313 reporting requirements.

**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.

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

**SECTION 16 - OTHER INFORMATION** - *continued*

**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 \*\*\*\*