

# SAFETY DATA SHEET

according to OSHA Hazard Communication 29 CFR Part 1910.1200

## SECTION 1: IDENTIFICATION

Product Name: K-1 Kerosene Product Code: 10132

Supplied By:

Commerce Industrial Chemicals, Inc.  
5611 W. Woolworth Avenue  
Milwaukee, WI 53218  
(800) 877-8364

In case of emergency:

Commerce Industrial Chemicals, Inc.  
(800) 877-8364

## SECTION 2: HAZARD IDENTIFICATION

### GHS Ratings:

Skin corrosive	2
Carcinogen	2
Aspiration hazard	1

Reversible adverse effects in dermal tissue, Draize score:  $\geq$  2.3 < 4.0 or persistent inflammation  
Limited evidence of human or animal carcinogenicity  
Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity  $\geq$  20.5 mm<sup>2</sup>/s at 40° C.

### GHS Hazards

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H351	Suspected of causing cancer

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see ... on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container to ...

**Danger**



### SECTION 3: COMPOSITION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Kerosine, petroleum 8008-20-6 100.00 percent	No Data Found	200 mg/m <sup>3</sup> TWA (application restricted to conditions in which there are negligible aerosol exposures, total hydrocarbon vapor)	NIOSH: 100 mg/m <sup>3</sup> TWA

### SECTION 4: FIRST AID MEASURES

**Inhalation:**

- Move victim to fresh air.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult
- Vapors may cause dizziness or suffocation.
- Inhalation or contact with material may irritate or burn skin and eyes.
- Call 911 or emergency medical service.

**Eye Contact:**

- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

**Skin Contact:**

- May cause toxic effects if inhaled or absorbed through skin.
- Remove and isolate contaminated clothing and shoes.
- Wash skin with soap and water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Call 911 or emergency medical services.

**Ingestion:**

- Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

**Notes to Physician:**

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents (e.g. in enclosed spaces or with deliberate abuse). The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

### SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 120 - 190 F

- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Runoff to sewer may create fire or explosion hazard.

-Containers may explode when heated.

-Many liquids are lighter than water.

**Caution: This product has a very low flashpoint: Use of water spray when fighting fire may be inefficient.**

**Caution:For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.**

Small Fire:

-Dry chemical, CO2, water spray or alcohol-resistant

Large Fire:

-Water spray, fog or alcohol-resistant foam.

-Do not use straight streams.

-Move containers from fire area if you can do it without risk.

**Hazardous Combustion Products:**

-Combustion may yield smoke, carbon monoxide and other products of incomplete combustion.

**Special protective actions for firefighters:**

For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is

in addition, wear other appropriate protective equipment as conditions warrant.

**FIREFIGHTING EQUIPMENT:**

Dry chemical, CO2, water spray or alcohol-resistant foam.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**-Highly Flammable-Will be easily ignited by heat, sparks or flames.**

-Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

-All equipment used when handling the product must be grounded.

-Do not touch or walk through spilled materials.

-Stop leak if you can do it without risk.

-Prevent entry into waterways, sewers, basements or confined areas.

-A vapor suppressing foam may be used to reduce vapors.

-Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers.

-Use clean non-spraying tools to collect absorbed material.

**LARGE SPILLS:**

-Dike far ahead of liquid spill for later disposal.

-Water spray may reduce vapor; but may not prevent ignition in closed spaces.

## SECTION 7: HANDLING AND STORAGE

Handling:

-Keep away from ignition sources such as heat/sparks/open flame. No Smoking.

-Use only in a well ventilated area.

-Avoid breathing vapor, fumes or mist.

-Avoid contact with eyes, skin, and clothing.

-Ground and bond containers when transferring material.

-Use spark-proof tools and explosion proof equipment.

- Always open containers slowly to allow any excess pressure to vent.

-After opening, purge container with nitrogen before reclosing.

-Follow all SDS/label precautions even after containers are emptied because they may retain product residue.

STORAGE:

-Keep away from heat, sparks, and flame.

-Store containers in a cool, well ventilated place.

-Keep containers closed when not in use.

-Storage under nitrogen atmosphere is recommended.

-Do not allow to evaporate to near dryness.

-Protect from direct sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Kerosine, petroleum 8008-20-6		200 mg/m3 TWA (application restricted to conditions in which there are negligible aerosol exposures, total hydrocarbon vapor)	NIOSH: 100 mg/m3 TWA

**Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety or engineering professionals.**

RESPIRATORY PROTECTION: Wear positive pressure self-contained breathing apparatus (SCBA).

PROTECTIVE CLOTHING: Structural firefighters' protective clothing will only provide limited protection.

SKIN PROTECTION: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed-suit, boots.

EYE PROTECTION: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent)

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors.

Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

**Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety or engineering professionals.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<p><b>Appearance:</b> Colorless Liquid</p> <p><b>Vapor Pressure (mmHg):</b> 1 - 10 @ 100 F</p> <p><b>Vapor Density (Air = 1)</b> 4 - 5</p> <p><b>Density:</b> 6.76 lbs./gal.</p> <p><b>Freezing point:</b> No Data</p> <p><b>Boiling range (F):</b> 360 - 550 F</p> <p><b>Evaporation rate (Butyl Acetate = 1):</b> No Data</p> <p><b>Explosive Limits (% Vol):</b> .7 - 5</p> <p><b>Autoignition temperature:</b> 489 F</p> <p><b>Viscosity:</b> No Data</p>	<p><b>Odor:</b> Mild Hydrocarbon</p> <p><b>Odor threshold:</b> No Data</p> <p><b>pH:</b> Neutral</p> <p><b>Melting point:</b> No Data</p> <p><b>Solubility:</b> Negligible</p> <p><b>Flash point (F):</b> 120 - 190 F</p> <p><b>Flammability:</b> No Data</p> <p><b>Partition coefficient (n-octanol/water):</b> No Data</p> <p><b>Decomposition temperature:</b> No Data</p> <p><b>Grams VOC less water:</b> No Data</p>
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## SECTION 10: STABILITY AND REACTIVITY

**Stability:**

UNSTABLE

**Incompatibilities:**

Avoid contact with strong oxidizing agents and strong reducing agents.

**Hazardous Decomposition:**

Not anticipated under normal conditions of use.

Hazardous polymerization will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Mixture Toxicity**

**Component Toxicity**

Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal.

**Information of Toxicological Effects:**

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

**Skin Corrosion/Irritation:** Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

**Eye Damage/Irritation:** Causes mild eye irritation.

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs through prolonged or repeated exposure.

Eyes                      Central Nervous System                      Skin                      Respiratory System

**Effects of Overexposure**

CAS Number                      Description                      % Weight                      Carcinogen Rating

**SECTION 12: ECOLOGICAL INFORMATION**

**Component Ecotoxicity**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Always dispose of any waste in accordance with all local, state, and federal regulations.**

**SECTION 14: TRANSPORT INFORMATION**

Agency                      Proper Shipping Name                      UN Number                      Packing Group                      Hazard Class  
DOT                      Kerosene                      UN1223                      PG III                      3

**SECTION 15: REGULATORY INFORMATION**

NJ Right to Know Chemicals:

8008-20-6 Kerosine, petroleum 100.00 %

Pennsylvania Right to Know Chemicals:

8008-20-6 Kerosine, petroleum 100.00 %

Country

USA

Regulation

CERCLA

TSCA

All Components Listed

No

No

**SECTION 16: OTHER INFORMATION**

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="1"/>
<b>FLAMMABILITY</b>	<input type="text" value="2"/>
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>
<b>PERSONAL PROTECTION</b>	<input checked="" type="checkbox"/>

HMIS & NFPA Hazard Rating

Legend

\* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

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Reviewer Revision

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