



## MATERIAL SAFETY DATA SHEET

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# Natural Gasoline

**MSDS Number:** OKE012

**Issue Date:** 8/00

**Revision:** 7/09

### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION - SECTION 1

**Company Identification:** ONEOK, Inc.  
100 West Fifth Street  
Tulsa, OK 74103

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT:**

**Call Chemtrec:** (800) 424-9300

**For additional non-emergency information, call:** (888) 417-6275

**Product Name:** Natural Gasoline

**Synonym(s):** M-Grade, 14# Gasoline, Casinghead Gasoline

**CAS Number:** 68425-31-0

**Chemical Formula:** Mixture

### HAZARDS IDENTIFICATION - SECTION 2

Colorless liquid with a distinct hydrocarbon odor.

Extremely flammable, can be ignited by heat, spark or flame. May release explosive vapors that can travel, be ignited at remote locations, and flash back.

This material is classified as hazardous under OSHA regulations.

The following information summarizes human experience and results of scientific investigations reviewed by health professionals for hazard evaluation of and development of Precautionary Measures and Occupational Control Procedures recommended in this document.

**Primary Route of Entry:** Dermal contact, eye contact, inhalation, and ingestion.

**Medical Conditions Which Might be Aggravated:** Disorders to the blood, liver, kidney, skin, eye, immune, respiratory, cardiovascular and nervous systems.

**Acute Exposure Effects:**

- 1. Skin:** Prolonged or repeated exposure may cause irritation or defat skin.
- 2. Eyes:** May cause mild to moderate irritation.
- 3. Inhalation:** May cause irritation of the nose and throat, dizziness, drowsiness, loss of coordination, disorientation, headache, or nausea. In poorly ventilated areas or confined spaces, unconsciousness and asphyxiation may result. Benzene causes blood and bone marrow disorders such as cancer and leukemia.
- 4. Ingestion:** Pulmonary aspiration if swallowed and vomiting occurs.

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## COMPOSITION/INFORMATION ON INGREDIENTS - SECTION 3

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% By Weight</u>
n-Butanes	106-97-8	0-5
n-Pentane	109-66-0	0-30
Iso-Pentane	78-78-4	0-30
Hexanes	110-54-3	0-45
Heptanes-Decanes	N/A	0-40
Benzene	71-43-2	0-5

**Note:** These analytical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

## FIRST AID MEASURES - SECTION 4

**Skin:** Wash skin with soap and water for several minutes. Get medical attention. If clothing becomes wet, remove contaminated clothing.

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if eye irritation persists.

**Inhalation:** If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

**Ingestion:** Do not induce vomiting. Do not give liquids. Obtain medical assistance. Small amounts that accidentally enter the mouth should be rinsed until taste is gone.

## FIRE FIGHTING MEASURES - SECTION 5

**Flash Point:** -45° F (-43° C)

**Method:** Cleveland Open Cup

**Auto ignition Temperature:** 495° F (257° C)

**Method:** Unknown

**Combustibility:** N/A

**Method:** N/A

**Flammable Limits in Air, % by Volume:** LEL: 1.4% UEL: 7.6%

**Extinguishing Media:** Fight fire from protected location or maximum possible distance. Stop flow of gas before attempting to extinguish flames. Use water spray, dry chemical or foam to extinguish flames.

**Special Fire Fighting Procedures:** Firefighters should wear proper protective equipment and self-contained breathing apparatus. Products of combustion may contain carbon monoxide, carbon dioxide, or other toxic vapors. Do not enter enclosed area or confined space without proper protective equipment including respiratory protection.

**Unusual Fire and Explosive Hazards:** Extremely flammable, can be ignited by heat, spark, or flame. Do not expose to heat, sparks, flame, static, or other sources of ignition. When handling, use non-sparking tools, ground and bond all containers. Readily forms explosive air-vapor mixtures. May release explosive vapors that can travel, be ignited at remote locations, and flash back. Containers may explode in fire.

## ACCIDENTAL RELEASE MEASURES - SECTION 6

Eliminate all ignition sources including internal combustion engines and power tools. Ventilate area. Keep people away. Stay upwind and warn of possible downwind explosion hazard. Avoid breathing vapor. Avoid contact with eyes, skin, or clothing. Wear respiratory protection and other personal protective equipment as appropriate for the potential exposure hazards.

## HANDLING AND STORAGE - SECTION 7

Use spark-proof tools. Eye wash and safety shower should be available nearby when this product is handled or used. Ground and bond shipping container, transfer line, and receiving container. Keep away from heat, sparks, flame, and other sources of ignition. Outside storage is recommended.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION - SECTION 8

<u>Chemical Name</u>	<u>OSHA PEL (ppm)</u>	<u>ACGIH TLV (ppm)</u>	<u>Other (ppm)</u>
n-Butanes	None	800	None
n-Pentane	1000	120	Ceiling 610, 1500 IDLH
Iso-Pentane	0	0	None
Hexanes	500	50	1100 IDLH
Heptanes-Decanes	0	0	None
Benzene	1, STEL 5	0.1, STEL 1	500 IDLH

**Eye Protection:** Wear chemical type goggles or face shield.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection:** Air supplied respirators should always be worn when airborne concentrations of the contaminant are known.

**Ventilation:** Use explosion-proof equipment to maintain adequate ventilation to meet occupational exposure limits, prevent accumulation of explosive air-gas mixtures, and avoid significant oxygen displacement.

## PHYSICAL AND CHEMICAL PROPERTIES - SECTION 9

**Appearance:** Colorless liquid

**Odor:** Hydrocarbon odor

**Boiling Point:** 80° - 102° F (39° C)

**Vapor Density:** 2.7 (Air = 1)

**Viscosity:** Not Determined

**Specific Gravity:** 0.65 - 0.75 (Water = 1)

**Flash Point:** -45° F (-43° C)

**Auto ignition Temperature:** 495° F (257° C)

**Flammable Limits in Air, % by Volume:** LEL: 1.4% UEL: 7.6%

**Solubility in Water (wt. %):** Slightly

**Solubility in Other Solvents:** Not Determined

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

## STABILITY AND REACTIVITY - SECTION 10

**Stability:** Stable under normal conditions.

**Incompatibility:** May react with oxidizers.

**Hazardous Decomposition Products:** Combustion may produce carbon monoxide and sulfur monoxide.

**Hazardous Polymerization:** Polymerization will not occur.

## TOXICOLOGICAL INFORMATION - SECTION 11

**Toxicity:** Not established

**Teratogenicity:** Not established

**Reproductive Toxicity:** Not established

**Mutagenicity:** Not established

**Synergistic Products:** Not established

**Sensitization to Product:** Not established

**Carcinogenicity:** Contains more than 0.1% by weight of a material listed as a potential carcinogen:

**NTP**

**IARC**

**OSHA**

Yes

Yes

No

**Other Chronic Effects:** Not determined

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## ECOLOGICAL INFORMATION - SECTION 12

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.

## DISPOSAL CONSIDERATIONS - SECTION 13

Dispose of container and unused contents in accordance with federal, state and local requirements.

## TRANSPORT INFORMATION - SECTION 14

### DOT

**Proper Shipping Name:** Hydrocarbon, Liquid, N.O.S. (Natural Gasoline)

**Hazard Class/I.D. No./Packing Group:** 3, UN 3295

**Label:** Flammable Liquid

or

**Proper Shipping Name:** Petroleum distillates, N.O.S. (Natural Gasoline)

**Hazard Class/I.D. No./Packing Group:** 3, UN 1268

**Label:** Flammable Liquid

### I.M.O.

**Proper Shipping Name:** Hydrocarbon, Liquid, N.O.S. (Natural Gasoline)

**Hazard Class/I.D. No./Packing Group:** 3, UN 3295

**Label:** Flammable Liquid

### I.C.A.O./I.A.T.A.

**Proper Shipping Name:** Hydrocarbon, Liquid, N.O.S. (Natural Gasoline)

**Hazard Class/I.D. No./Packing Group:** 3, UN 3295

**Label:** Flammable Liquid

## REGULATORY INFORMATION - SECTION 15

**TSCA Inventory:** Yes

**Reportable Quantity (RQ) Under US EPA CERCLA Regulations:** Not listed

**SARA Hazard Notification Hazard Categories Under Criteria of SARA Title III Rules**

**(40 CFR Part 370):** Yes

**Section 313 Toxic Chemical(s):** Yes

**Hazardous Chemical(s) Under OSHA Hazard Communication Standard:** Yes

## OTHER INFORMATION - SECTION 16

### Hazard Ratings:

#### NFPA

Health --1

Fire -- 4

Reactivity --1

Specific Hazard -- N/A

#### HMIS

Health -- 1

Flammability -- 4

Reactivity -- 0

PPE -- N/A

To the best of our knowledge, the information contained herein is accurate. However, neither ONEOK, Inc. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.