

K-FORMATE

POTASSIUM FORMATE

SAFETY DATA SHEET

SECTION 1 - Product and Company Identification

Trade Name: K-Formate, Liquid

CAS No.: 590-29-4

Molecular Formula: $KCHO_2$

Manufacturer's Name and Address:

Themark Corporation
5455 Hidalgo Street • Houston, 77056

Emergency Tel. #:

Chemtrec (800) 424-9300 (Within Continental U.S.).
Chemtrec (703) 527-3887 (Outside Continental U.S.).

SECTION 2 - Ingredients and Hazards

	<u>%</u>	<u>HAZARD DATA</u>	<u>CAS NO.</u>
Potassium Formate	50-76	Not Regulated	590-29-4
Water	24-50	NA	7732-

SECTION 3 - Physical Data

Molecular weight: 84.1
Specific gravity ($H_2O = 1$): 1.33-1.58
Water solubility: Complete
Density, lbs/gal: 11.1-13.2
pH: 9.0-10.5
Appearance and Odor: Clear, nearly colorless/yellow liquid

SECTION 4 - Fire and Explosion Data

Flash Point and Method: N/A

Auto-Ignition Temp: N/A

Flammability Limits in Air: N/A

Extinguishing Media: Use aqueous film forming foam for large fires; use carbon dioxide or dry chemical for small fires.

Special Fire Fighting Procedures: Wear full fire fighting turnout gear and NIOSH approved SCBA in presence of combustion products.

Unusual Fire and Explosion Hazards: Carbon monoxide and/or carbon dioxide may be released.

SECTION 5 - Health Hazard Information

General: Causes digestive tract, skin, eye and respiratory irritation.

FIRST AID:

Eye Contact: Immediately wash eyes thoroughly with water for at least 15 minutes. Seek medical attention.

Skin contact: Thoroughly wash with water. Seek medical attention if irritation develops or persists.

Inhalation: Remove to area of fresh air. If not breathing, give artificial respiration. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. If victim is conscious and alert, give water. Seek medical attention.



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SECTION 6 - Reactivity Data

Stability: Stable: X
Unstable:

Incompatibility: Sulfuric acid, hydrochloric acid or other strong inorganic acids.

Hazardous decomposition products: Carbon monoxide and/or carbon dioxide.

Hazardous Polymerization: May occur:
Will not occur: X

SECTION 7 - Spill, Leak and Disposal Procedures

SPILLS, LEAKS: Confine the spill to a diked area or sump, if possible, and recover as much of the liquid potassium formate as possible. Place in suitable containers.

WASTE DISPOSAL METHOD: Reclaim and reuse as much as possible. Dispose in accordance with all federal, state, and local regulations.

SECTION 8 - Special Protection Information

Respiratory Protection: Respiratory protection not normally required unless excessive heat or reaction occurs resulting in release of carbon dioxide or carbon monoxide. In enclosed spaces these gases can displace oxygen, causing possible suffocation, thus use self-contained breathing apparatus. Do not use air-purifying respirators.

Ventilation: Local exhaust adequate

Protective Gloves: Rubber or neoprene

Eye Protection: Safety goggles and face shield

SECTION 9 - Special Precautions and Comments

Storage & Handling Information: Store in suitable containers made of plastic (HDPE), mild steel, alkaline-resistant fiberglass, or stainless steel. Always use good safety and industrial hygienic practices.

DOT Class: Not Regulated

Hazard Rating (N.F.P.A.)

Health: 2

Fire: 1

Reactivity: 0

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association.

SECTION 10 - Other Information

Product Literature

Additional information on this product may be obtained by calling your sales or customer service contact.

Revision

Revision Date 02/17/2014

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