

Material Safety Data Sheet

Potassium formate (pract)

ACC# 80711

Section 1 - Chemical Product and Company Identification

MSDS Name: Potassium formate (pract)

Catalog Numbers: AC418220000, AC418221000

Synonyms: None.

Company Identification:

KRISHNA CHEMICALS
279/1/C PHASE II G.I.D.C VATVA
AHMEDABAD-380050

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
590-29-4	Formic acid, potassium salt	100.0	209-677-9

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

- Appearance: white crystalline powder.

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Air sensitive. The toxicological properties of this material have not been fully investigated.

Target Organs: None.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic: No information found.

Section 4 - First Aid Measures

1. **Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
2. **Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while

removing contaminated clothing and shoes. Wash clothing before reuse.

3. **Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
4. **Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
5. **Notes to Physician:** Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

1. **General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
2. **Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.
3. **Flash Point:** Not available.
4. **Autoignition Temperature:** Not available.
5. **Explosion Limits, Lower:**N/A
6. **Upper:** N/A
7. **NFPA Rating:** (estimated) Health: ; Flammability: ; Instability:

Section 6 - Accidental Release Measures

1. **General Information:** Use proper personal protective equipment as indicated in Section 8.
2. **Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

1. **Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed.

Avoid ingestion and inhalation.

2.

Storage: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Formic acid, potassium salt	none listed	none listed	none listed

OSHA Vacated PELs: Formic acid, potassium salt: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

1. **Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
2. **Skin:** Wear appropriate protective gloves to prevent skin exposure.
3. **Clothing:** Wear appropriate protective clothing to prevent skin exposure.
4. **Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

1. **Physical State:** Crystalline powder
2. **Appearance:** white
3. **Odor:** Not available.
4. **pH:** Not available.
5. **Vapor Pressure:** Not available.

6. **Vapor Density:** Not available.
7. **Evaporation Rate:**Not available.
8. **Viscosity:** Not available.
9. **Boiling Point:** Not available.
10. **Freezing/Melting Point:**Not available.
11. **Decomposition Temperature:**Not available.
12. **Solubility:** Soluble in 100 cc of water.
13. **Specific Gravity/Density:**1.9100g/cm³
14. **Molecular Formula:**CHKO₂
15. **Molecular Weight:**84.12

Section 10 - Stability and Reactivity

1. **Chemical Stability:** Stable under normal temperatures and pressures.
2. **Conditions to Avoid:** Incompatible materials, dust generation, exposure to air, strong oxidants.
3. **Incompatibilities with Other Materials:** Strong oxidizing agents.
4. **Hazardous Decomposition Products:** Carbon monoxide, carbon monoxide, carbon dioxide.
5. **Hazardous Polymerization:** Has not been reported

Section 11 - Toxicological Information

1. RTECS#:
CAS# 590-29-4: LQ9625000
LD50/LC50:
CAS# 590-29-4:
Oral, mouse: LD50 = 5500 mg/kg;

Carcinogenicity:
CAS# 590-29-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.

2. **Teratogenicity:** No information available.
3. **Reproductive Effects:** No information available.
4. **Mutagenicity:** No information available.
5. **Neurotoxicity:** No information available.
6. **Other Studies:**

Section 12 - Ecological Information

1. **Ecotoxicity:** No data available. No information available.
2. **Environmental:** No information found.
3. **Physical:** Formates may metabolize into formic acid.
4. **Other:** No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 590-29-4 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 590-29-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 28A After contact with skin, wash immediately with plenty of water

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WGK (Water Danger/Protection)

CAS# 590-29-4: 1

Canada - DSL/NDSL

CAS# 590-29-4 is listed on Canada's DSL List.

Canada - WHMIS

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

Section 16 - Additional Information

MSDS Creation Date: 1/25/1999

Revision #4 Date: 11/20/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.