

Safety Data Sheet

Section 1: Identification

Product Name: K-Carb Plus

Trade Name: K-Carb Plus, Potassium Carbonate and Hydrogenated Soybean Oil

Synonyms: Carbonic Acid, Dipotassium Salt PotCarb, Pearl Ash, Triglycerides of mixed Fatty Acids

Product Use: For further manufacturing of feed and food

Company Identification:

Origination, LLC
1802 Wooddale Drive, Suite 200
Woodbury, MN 55125

For information, call: 1-800-625-6079

Emergency Number: 1-800-625-6079

For CHEMTREC assistance, call: 1-800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2: Hazard(s) Identification

Classification of the Substance or Mixture GHS-US classification:

Acute Tox. 4 (Oral): H302

Skin Irrit. 2: H315

Eye Irrit. 2B: H320 STOT SE 3: H335

Hazard pictograms (GHS-US): GHS07



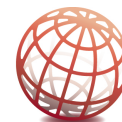
Signal word (GHS-US): Warning.

Hazard statements (GHS-US):

H302- Harmful if swallowed.
H315 - Causes skin irritation.
H320 - Causes eye irritation.
H335 - May cause respiratory irritation.

Precautionary statements (GHS-US):

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection /face protection.
P302+P352 - Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep comfort breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove lenses, if present and easy to do. Continue rinsing.
P312 - Call a poison center/doctor/... if you fe.
P321 - Specific treatment (see ... on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Tak contaminated clothing and wash before reuse.
P403+P233 - Store in a well-ventilated place. Keep tightly closed.
P405 - Store locked up P501 - Dispose of contents/container.



Other hazards: No additional information available.

Unknown acute toxicity (GHS-US): No data available.

Section 3: Composition / Information on Ingredients

Substance: Not Applicable.

Mixture Name	Product Identifier	%	GHS-US Classification
Potassium Carbonate	(CAS No) 584-04-7	80-100	Accute Tox. 4 Oral H302 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Hydrogenated Soybean Oil		1-20	

*ingredients without WT% are considered proprietary based on trade secrets.

Section 4: First Aid Measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).

First-aid measures after eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed: Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

Indication of any immediate medical attention and special treatment needed: No additional information available.

Section 5: Fire Fighting Measures

Extinguishing Media

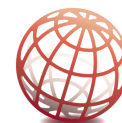
Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture: No additional information available.

Advice for Firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.



Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections: See Heading 8. Exposure controls and personal protection.

Section 7: Handling and Storage

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures: Wash thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from direct sunlight. Keep container closed when not in use.

Incompatible products: Water. Strong bases. Strong acids. Lime. Powdered metals.

Incompatible materials: Sources of ignition. Direct sunlight. Specific end use(s): No additional information available.

Section 8: Exposure Controls, Personal Protection

Control Parameters: No additional information available.

Exposure Controls

Personal protective equipment: Avoid all unnecessary exposure.

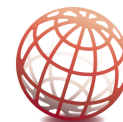
Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.



Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Physical state: Solid.

Appearance: Granular powder.

Colour: White.

Odour: Sweet.

Odour threshold: No data available.

pH: No data available.

Relative evaporation rate (butylacetate=1): No data available.

Melting point: No data available **Freezing point:** No data available **Boiling point:** No data available **Flash point:** No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: 100 °C

Flammability (solid, gas): No data available.

Vapour pressure: No data available.

Relative vapour density at 20 °C: No data available.

Density: 81 lb/ft³ (Bulk Density) Solubility: Soluble.

Log Pow: No data available.

Log Kow: No data available.

Viscosity, kinematic: No data available.

Viscosity, dynamic: No data available.

Explosive properties: No data available.

Oxidising properties: No data available.

Explosive limits: No data available.

Section 10: Stability and Reactivity

Reactivity: No additional information available.

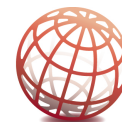
Chemical stability: Not established.

Possibility of hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases. Lime. Moisture.

Hazardous decomposition products: Carbon dioxide. Potassium Oxides.



Section 11: Toxicological Information

Acute toxicity: Not classified.

Potassium Carbonate (584-08-7)	
ATE US (oral)	500.00 mg/kg body weight

Skin Corrosion/Irritation: Causes skin irritation.

pH: 11.6 (1% Solution, 0.02 moles/liter has pH 11.0)

Serious Eye Damage/Irritation: Causes serious eye damage.

pH: 11.6 (1% Solution, 0.02 moles/liter has pH 11.0)

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Teratogenicity: Not classified.

Carcinogenicity: Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: May cause respiratory irritation. May cause pulmonary edema.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Corrosive. Causes burns.

Symptoms/Injuries After Ingestion: Harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects – Ingredient(s)

LD50 and LC50 Data:

Potassium Carbonate (584-08-7)	
ATE US (oral)	1870 mg/kg
LD50 Dermal Rabbit	2000 mg/kg

Section 12: Ecological Information

Toxicity: No additional information available.

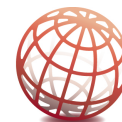
Persistence and Degradability: Not established.

Bioaccumulative Potential: Not established.

Mobility in soil: No additional information available.

Other adverse effects

Effect on ozone layer: No additional information available.



Effect on the global warming: No known ecological damage caused by this product.

Other information: Avoid release to the environment.

Section 13: Disposal Considerations (non-mandatory)

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

Section 14: Transport Information

In accordance with DOT: Not regulated for transport.

Additional information: No supplementary information available.

ADR: Transport document description.

Transport by sea: No additional information available.

Air transport: No additional information available.

Section 15: Regulatory Information

US Federal and International Regulations

SARA Section 311/312	Immediate (acute) health hazard
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Carbonic acid, dipotassium salt (584-08-7)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian IDL (Ingredient Disclosure List)

US State Regulations: Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

WHMIS Classification: Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Carbonic acid, dipotassium salt (584-08-7)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

WHMIS Classification: Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.



Section 16: Additional Information

Prepared by: Origination, LLC

Prepared: September 8, 2020

Disclaimer:

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 Origination 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 Origination has been advised of the possibility of such damages.