

SAFETY DATA SHEET

TOP CHOICE DKP

Product ID: 0745

Revised: SDS0745.01, 02/26/2020

Replaces:

1. IDENTIFICATION

Product Identifier: TOP CHOICE DKP
Other Identifiers: 0745
CAS Number: MIXTURE
Recommended Use: For Fertilizer use
Restrictions on Use: No data available.

2. HAZARD(S) IDENTIFICATION

GHS Classification(s): Substance or mixture corrosive to metals Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2B
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Label Elements:

GHS Hazard Symbols:



Signal Word: Warning

Hazard Statements: May be corrosive to metals.
Causes skin and eye irritation
May cause respiratory irritation.

Precautionary Statements:

Prevention: Keep only in original container.
Avoid breathing dust, gas, mist, vapors or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear gloves, eye and face protection and protective clothing.

Response: IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor if you feel unwell.
Specific treatment (see First Aid on SDS or on this label).
If skin irritation occurs: Get medical advice or attention.
If eye irritation persists: Get medical advice or attention.
Take off contaminated clothing and wash before reuse.
Absorb spillage to prevent material damage.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a secure manner. Store in corrosive resistant container with a resistant inner liner.

Disposal: Dispose of in accordance with local, regional and international regulations.

Hazards Not Otherwise Classified: None known.

Percentage of Components with Unknown Acute Toxicity:

Oral:	50.0 %
Dermal:	50.0 %
Inhalation Vapor:	50.0 %
Inhalation Dust/Mist:	50.0 %

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances/Mixtures:

<u>Chemical or Common Name/Synonyms</u>	<u>CAS Number</u>	<u>% by Wt.</u>
Dipotassium Phosphate	7758-11-4	50 %
Proprietary Solution, Non hazardous	-	1 %

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

4. FIRST-AID MEASURES

Description of Necessary Measures:

Eye Contact: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

Skin Contact: If on skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned. Wash with soap and water.

Inhalation: If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Give 2-4 glasses of water to drink. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Note to Physicians:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule. The following treatments should be considered for the specific group(s) of phosphate salts found in this product: --All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcemia, so calcium levels should be monitored. --Potassium salts have a hypothetical risk of hyperkalemic which can cause cardiac arrhythmia. In addition to calcium levels, potassium and phosphate levels should be monitored. Also consider continuous EKG monitoring to detect hyperkalemia.

Most Important Symptoms/Effects, Acute and Delayed:

Eye Contact: May cause mild to severe irritation.

Skin Contact: May cause mild to severe irritation.

Skin Absorption: Low acute toxicity

Inhalation: Mists may irritate: respiratory tract. Mists may cause: burning sensation. shortness of breath.

Ingestion: No more than slightly toxic if swallowed. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Large amounts may cause: gastrointestinal irritation. abdominal cramps. diarrhea. nausea. vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Not combustible. Use extinguishing agents appropriate for surrounding fire.

Fire Fighting Methods: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Fire and Explosion Hazards: None known.

Hazardous Combustion Products: Thermal decomposition may release: Phosphorous oxides. Potassium oxides.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-Up Procedures: Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling.
Storage: Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Do not use aluminum equipment for storage and/or transfer. See Section 10 for incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
No components found.	

ACGIH Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
No components found.	

Engineering Controls: General room ventilation is required. Control measures such as local exhaust ventilation may be required where misting may be present. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist.

Eye/Face Protection: Wear chemical safety goggles while handling this product.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Impervious.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. If vapors or mists are present, wear: NIOSH-Approved respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Protective clothing.

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General Hygiene Conditions: Wash with soap and water before meal times and at the end of each work shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Color: Clear. Colorless.

Odor: No odor.

Odor Threshold: N.D.

pH: 10.00

Freezing Point (deg. F): 14

Melting Point (deg. F): N.D.

Initial Boiling Point or Boiling Range: ~223 °F

Flash Point: N.A.

Flash Point Method: N.A.

Evaporation Rate (nBuAc = 1): N.D.

Flammability (solid, gas): N.D.

Lower Explosion Limit: N.A.

Upper Explosion Limit: N.A.

Vapor Pressure (mm Hg): N.D.

Vapor Density (air=1): N.D.

Specific Gravity or Relative Density: 1.545 @ 25 Deg. C

Solubility in Water: Complete

Partition Coefficient (n-octanol/water): N.D.

Autoignition Temperature: No Data

Decomposition Temperature: N.D.

Viscosity: N.D.

% Volatile (wt%): ~50%

VOC (wt%): 0%

VOC (lbs/gal): 0%

Fire Point: N.D.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid: None known.

Incompatible Materials: Aluminum. Strong acids. Food sugars. Deadly carbon monoxide gas can form in enclosed or poorly ventilated areas or tanks when alkaline products contact food, beverage, or dairy products. Do not enter such areas until they have been well ventilated and carbon monoxide and oxygen levels have been determined to be within OSHA acceptable limits. If carbon monoxide and oxygen levels cannot be measured, wear NIOSH-approved, self-contained breathing apparatus.

Hazardous Decomposition Products: Thermal decomposition may release: Phosphorous oxides. Potassium oxides.

11. TOXICOLOGICAL INFORMATION

Component Oral LD50

Dermal LD50

Inhalation LC50

No components found or no data available for product.

Routes of Exposure: Eyes. Ingestion. Inhalation. Skin.

Eye Contact: May cause mild to severe irritation

Skin Contact: May cause mild to severe irritation.

Skin Absorption: Low acute toxicity

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Inhalation: Mists may irritate: respiratory tract. Mists may cause: burning sensation. shortness of breath.
Ingestion: No more than slightly toxic if swallowed. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Large amounts may cause: gastrointestinal irritation. abdominal cramps. diarrhea. nausea. vomiting.

Medical Conditions Aggravated by Exposure to Product: Chronic respiratory disorders. Skin disorders.

Other: None known.

Cancer Information: This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: The following data have been classified using the criteria adopted by the European Economic Community (ECC) for aquatic organism toxicity.

Algae: 10-day EC50 *Chlorella vulgaris*: 25 mg/L: Harmful

No definitive fish or invertebrate toxicity data was available for this material. Available data for similar materials suggests that this material would be practically nontoxic to fish and invertebrates (LC50 or EC 50 > 100 mg/L).

Chemical Fate Information: No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: Possibly D002

Disposal Method: Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

14. TRANSPORT INFORMATION

DOT (Department of Transportation):

Identification Number: UN3266

Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S. (Contains Dipotassium Phosphate)

Hazard Class: 8

Packing Group: III

Note: The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. In the United States, it may be possible to reclassify this material as not regulated via surface transportation because its corrosivity is due solely to its effect on metals (either steel or aluminum). See 49 CFR 173.154(d).

15. REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category Hazards:

Immediate (Acute)	Delayed (Chronic)	Fire Hazard	Pressure Release	Reactive
Yes	No	No	No	No

Regulated Components:
Component

<u>CAS</u> <u>Number</u>	<u>CERCLA</u> <u>RQ</u>	<u>SARA</u> <u>EHS</u>	<u>SARA</u> <u>313</u>	<u>U.S.</u> <u>HAP</u>	<u>WI</u> <u>HAP</u>	<u>Prop</u> <u>65</u>
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No components found.

***Prop 65 - May Contain the Following Trace Components:**

This product contains trace amounts of chemicals known in the state of California to cause cancer or other reproductive harm.

16. OTHER INFORMATION

Hazard Rating System

Health: 2*

Flammability: 0

Reactivity: 0

* = Chronic Health Hazard

NFPA Rating System

Health: 2

Flammability: 0

Reactivity: 0

Special Hazard: None

SDS Abbreviations

N.A. = Not Applicable

N.D. = Not Determined

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

C = Ceiling Limit

N.E./Not Estab. = Not Established

SDS Prepared by: jct

Reason for Revision: New product.

Revised: SDS0745.01, 02/26/2020

Replaces: None
