



# **ALLPREP**

**IRON PHOSPHATE CONVERSION COATING**

**SAFETY DATA SHEET (SDS)**

## GHS Product identifier

**Product name** KoatGuard AllPrep  
**Product number** KGAP

### 1.3 Recommended use of the chemical and restrictions on use

A liquid Iron Phosphate cleaner/conversion coating for use on ferrous, aluminum, zinc, and stainless alloys.

### 1.4 Supplier's details

**Name** KoatGuard Chemicals  
**Address** 12683 McIlwain Rd Holladay, TN 38341 United States  
**Telephone** 931-388-7730

### 1.5 Emergency phone number

(Poison Control) 1-800-222-1222

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## SECTION 2

## HAZARD IDENTIFICATION

**SIGNAL WORD:**

**DANGER!**



### **Hazard statements:**

H314 - Causes severe skin burns and eye damage.

**Precautionary statements:**

P260 - Do not breathe mist, vapors, spray  
P264 - Wash exposed skin thoroughly after handling  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a poison center or doctor/physician  
P363 - Wash contaminated clothing before reuse  
P405 - Store locked up  
P501 - Dispose of contents/container to comply with local, state and federal regulations If inhaled: Remove person to fresh air and keep comfortable for breathing

**SECTION 3****COMPOSITION INFORMATION**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent w/w</u>	<u>Exposure limit</u>	<u>Hazardous</u>
ORTHOPHOSPHORIC ACID	7664-38-2	<55	TWA: 1 mg/m <sup>3</sup> 8 hrs	Yes
<b>Components not specifically</b>	<b>Trade Secret</b>	<b>&lt;10-20</b>	<b>NA</b>	

**Referenced**

CAS Registry Numbers given above are from the TSCA Inventory. "MIXTURES" are proprietary and components would be disclosed only to authorized personnel.

**SECTION 4****FIRST AID MEASURES**

EYES:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately
SKIN:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Chemical burns must be treated promptly by a physician. Get medical attention.
INHALATION:	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If irritation persists, get medical attention.
INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**SECTION 5****FIRE AND EXPLOSION HAZARD**

FLASH POINT:	Not Applicable
AUTOIGNITION TEMP:	Not Applicable
FLAMMABILITY LIMITS IN AIR:	Not Applicable
EXTINGUISHING MEDIA:	Not Applicable

**SPECIAL FIRE FIGHTING  
PROCEDURE:**

Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment. May emit toxic fumes under fire conditions. Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

**UNUSUAL FIRE & EXPLOSION  
HAZARD:**

Exposure to high temperatures may cause containers to expand or rupture and spill or leak. In case of fire, keep containers cool with water.

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**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

**SPILL OR LEAK PROCEDURE:** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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**SECTION 7**

**HANDLING AND STORAGE**

**HANDLING:**

Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Don't breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

**STORAGE:**

Store in accordance with local regulations. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C).

**SHELF LIFE:**

One year under controlled conditions.

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**SECTION 8**

**EXPOSURE CONTROL AND PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

See section 2 for the exposure limits of the ingredients. These are for individual ingredients and would be different when they are mixed in the product.

**RESPIRATORY PROTECTION:** Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an Organic Vapor respirator containing both organic vapor cartridges and a particulate pre-filter marked as P100. All respirators must be NIOSH certified.

**VENTILATION:**

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional ventilation or exhaust systems may be required. Polyester filter cartridges with pore size of 1-3u can be used if necessary.

**GLOVES:**

Use of impervious gloves when handling the undiluted product is recommended. Natural rubber, Butyl rubber, neoprene or PVC is

PROTECTIVE CLOTHING:	the suggested material. Always wash hands and face with soap and water before eating, drinking or smoking. Use protective clothing impervious to this material when handling the undiluted product. Remove clothing contaminated with undiluted product immediately.
EYE PROTECTION:	Use safety glasses or chemical resistant goggles.

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## **SECTION 9**

## **PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT:	107.22°C (225°F)
pH AT 100% or % SPECIFIED:	1.0 - 1.5
VAPOR PRESSURE; mm Hg @ 20°C:	Not Available
VAPOR DENSITY [Air = 1]	NA
PERCENT VOLATILE BY WEIGHT:	NA
SPECIFIC GRAVITY OR BULK DENSITY:	9.27
SOLUBILITY IN WATER:	100%
EVAPORATION RATE [BuAc=1]:	<1
APPEARANCE:	Clear Solution
ODOR	Acidic

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## **SECTION 10**

## **STABILITY AND REACTIVITY**

STABILITY:	Stable
CONDITIONS TO AVOID:	None
CHEMICAL INCOMPATIBILITY:	Reactive or incompatible with the following materials: some metals and alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides (CO, CO <sub>2</sub> ). Emits toxic fumes when heated to decomposition
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None
CORROSIVE TO METAL:	Yes
OXIDIZER:	No

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## **SECTION 11**

## **TOXICOLOGICAL INFORMATION**

EXPOSURE LIMITS:	See SECTION 2 for exposure limits of components
CARCINOGEN:	None of the components of the product is listed as a carcinogen.

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## **SECTION 12**

## **ECOLOGICAL INFORMATION**

ENVIRONMENTAL FATE:	No information available
ENVIRONMENTAL TOXICITY:	No information available

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## **SECTION 13**

## **DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is

**CONTAINER DISPOSAL:**

because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or re conditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

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**SECTION 14****TRANSPORTATION INFORMATION**

U.S. DOT PROPER SHIPPING NAME:	Phosphoric acid solution
U.S. DOT HAZARD CLASS:	8, PG III
U.S. DOT LABELS REQUIRED:	Corrosive
U.S. DOT PLACARDS REQUIRED:	Corrosive
POISON CONTENT:	None
BILL OF LADING DESCRIPTION:	UN1805 Phosphoric acid solution, 8, III
UN CODE:	1805

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**SECTION 15****REGULATORY INFORMATION**

TOXIC SUBSTANCE CONTROL ACT:	All ingredients are registered under the Toxic Substance Control Act.
RESOURCE CONSERVATION AND RECOVERY ACT:	See section 13 above.
CERCLA REPORTABLE QUANTITY:	Not Applicable
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT:	Not Applicable

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**SECTION 16****OTHER INFORMATION****HMIS III Rating**

Health

3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability

0 Minimal Hazard - Materials that will not burn

Physical

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection

H- Splash goggles, Gloves, Synthetic apron, Vapor respirator

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