

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name Ascorbyl PM
INCI Name Magnesium Ascorbyl Phosphate

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Active ingredient in cosmetic and personal care applications

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer: TRI-K INDUSTRIES, INC.
2 Stewart Court
Denville, NJ 07834
Information Phone Number: (973) 298-8850
E-mail info@tri-k.com

1.4 Emergency Telephone Number:

Emergency Spill Information (973) 298-8850 (TRI-K Industries, Inc.)
(800) 222-1222 (National Poison Control Center)

24-HOUR EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300

SDS Date of Preparation: May 30, 2015

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance does not meet the criteria for a hazardous substance

Classification according to Directive 1999/45/EC [DPD]:

The substance does not meet the criteria for dangerous substances

2.2 Label Elements: Labeling according to Regulation (EC) No 1272/2008 [CLP]

Not applicable
Hazard Statement: Not applicable
Precautionary Statement: Not applicable

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS# | EINECS# | DSD Classification (67/548/EEC) | CLP Classification (EC) No 1272/2008 | % |
|----------------------------------|-------------|---------|---------------------------------|--------------------------------------|--------|
| Magnesium L-Ascorbyl-2-Phosphate | 114040-31-2 | N/A | Not classified as dangerous | Not classified as hazardous | ≥98.5% |

Additional information: For full text of H-statements and R-phrases: see SECTION 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: Flush with water; seek medical advice if discomfort persists

Skin Contact: Wash material off the skin with soap and water; seek medical advice if discomfort persists.

Inhalation: If inhaled, remove to fresh. If necessary get medical attention.

Ingestion: Drink water, seek medical attention

4.2 Most Important symptoms and effects, both acute and delayed:

Not expected to be a skin or eye irritant (based on available data). Non-toxic by oral ingestion (based on nature of material). No other adverse clinical effects are known to be associated with exposure to this material.

4.3 Indication of any immediate medical attention and special treatment needed:

No immediate medical treatment normally needed.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical, CO₂, foam, halon, water spray (fog)

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: None known

Hazardous Decomposition Products: None known

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures:

Self-contained breathing apparatus with full-face piece and protective clothing. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.

6.2 Environmental Precautions:

Non-hazardous but avoid direct releases to the environment

6.3 Methods and Material for Containment and Cleaning Up:

Pick up with absorbent material and collect for disposal

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Wear appropriate protective clothing and safety gloves. Avoid contact with eyes, skin. Avoid inhalation. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents and foods. No smoking at working site.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Storage in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents and foods.

7.3 Specific end use(s): Active ingredient in cosmetic and personal care applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

| Chemical Name | 8.1.1 Occupational Exposure Limits: | 8.1.2 Additional exposure limits under the conditions of use: | 8.1.3 DNEL/DMEL and PNEC-Values: |
|-------------------------|---|--|--|
| Magnesium L-Ascorbyl-2- | No limits established | Not Available | Not Available |

| | | | |
|-----------|--|--|--|
| Phosphate | | | |
|-----------|--|--|--|

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls: General mechanical ventilation is acceptable

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical goggles with side splash protection recommended

Hand Protection: Protective gloves

Body Protection: None required under normal conditions of use

Respiratory Protection: If vapors or mists are generated, wear a NOISH approved organic vapor/mist respirator.

Thermal Hazards: None required under normal conditions of use

Other: An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

8.2.3 Environmental Exposure Controls: Non-hazardous but avoid direct releases to the environment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

| | |
|---|--|
| Appearance: Granule or Powder; White to Yellowish White | Vapor Pressure: Not determined |
| Odor: Slight to No Odor | Vapor Density: Not determined |
| Odor Threshold: Not applicable | Specific Gravity: Not applicable |
| pH: 7.0-8.5 | Water Solubility: Soluble |
| Melting Point / freezing point: Not determined | Partition coefficient: n-octanol/water: Not Available |
| Boiling Point: | Auto-ignition Temperature: Not Available |
| Flash Point (COC): > 250° F (Not flammable) | Decomposition Temperature: Not Available |
| Evaporation Rate: Not Applicable | Viscosity (cP): Not determined |
| Flammability (solid, gas): Not Applicable | Explosion Properties: None |
| Upper/lower flammability or explosive limits: Not Applicable | Oxidizing Properties: None |

9.2 Other Information:

Soluble in water, practically soluble in acetone and ethanol

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:**
Not reactive under normal conditions of use
- 10.2 Chemical Stability:**
No known hazardous reactions
- 10.3 Possibility of Hazardous Reactions:**
None known
- 10.4 Conditions to Avoid:**
Gross bacterial contamination
- 10.5 Incompatible Materials:**
Concentrated nitric or sulfuric acid, strong oxidizing agents.
- 10.6 Hazardous Decomposition Products:**
Burning can produce smoke, CO, CO₂, ammonia and other products of incomplete combustion

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on Toxicological Effects:**
- Acute toxicity:** Oral LD50 is anticipated to be >5g/kg based on testing of similar materials.
- Irritation:** HRIPT results indicate that the product is non-irritating.
- Corrosivity:** This is not a corrosive product.
- Sensitization:** HRIPT results indicate that the product is non-sensitizing.
- Repeated dose toxicity:** No data available
- Carcinogenicity:** None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive.
- Mutagenicity:** AMES test results indicate that this product is nonmutagenic.
- Toxicity for reproduction:** Not expected to affect reproduction or development.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No ecotoxicity data available
- Acute (short-term) toxicity:** N/A
- Fish:** N/A
- Crustacea:** N/A
- Algae/aquatic plants:** N/A
- Other organisms:** N/A

Chronic (long-term) toxicity: N/A

Fish: N/A

12.2 Persistence and Degradability:

Not available.

12.3 Bio accumulative Potential:

Not expected to be bio-accumulative in aquatic organisms

12.4 Mobility in Soil:

Since the product is completely soluble in water, it is expected to be highly mobile in soil.

12.5 Results of PBT and vPvB Assessment:

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other Adverse Effects:

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Spent or discarded material is not belong to hazardous waste. Contact licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

| | US DOT | EU land transport (ADR/RID/ADN) | Sea Transport (IMDG) | Air Transport (ICAO/IATA) |
|---|---------------|------------------------------------|-------------------------|------------------------------|
| 14.1 UN Number | | | | |
| 14.2 UN Proper Shipping Name | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3 Transport Hazard Class(s) | | | | |
| 14.4 Packing Group | | | | |

| | | | | |
|--|----------------|----------------|----------------|----------------|
| 14.5 Environmental Hazards | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.6 Special Precautions for user | None | None | None | None |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable | Not applicable | Not applicable | Not applicable |

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

| | |
|------------------------------|------------|
| China IECSC/IECIC: | Listed |
| New Zealand NZIoC: | Listed |
| EU EINECS/ELINCS/NLP: | Not listed |
| Canada DSL/NDSL: | Not listed |
| US TSCA: | Not listed |
| Korea KECI: | Not listed |
| Japan ENCS: | Not listed |
| Philippine PICCS: | Not listed |
| Australia AICS: | Not listed |

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

16.1 Indication of Changes

Version 1 created on May 30, 2015

Version 2 created on July 27, 2018 – Section 15 Update: Inventory Listing

16.2 List of Relevant R- phrases (number and full text):

Not applicable

16.3 Legal Disclaimer

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