



KOVKLEEN™ ENZYME 10-P

1 IDENTIFICATION

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|--|---|
| Product Identifier | KOVKLEEN ENZYME 10-P |
| General Use | CLEANING AGENT |
| Manufacturer/Importer/Supplier/Distributor Information | |
| Company Name | John R Hess & Company, Inc. |
| Address | 400 Station St Cranston, RI 02910 USA |
| Telephone | (401) 785-9300 (800) 556-4377 |
| E-mail | custerv@jrhess.com |
| Emergency Phone Numbers | Chemtrec 1-800-424-9300 (Spill, Leak, Fire, Exposure, Accident) AE&S +1(207) 233-9735 (outside USA & Canada) |

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:

Sodium tripolyphosphate

Label elements:

Eye irritation, category 2A.

Hazard pictograms:



Signal word: Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P501 Dispose of contents and container as instructed in Section 13.

Additional information: None.

Hazard description**Hazards Not Otherwise Classified (HNOC):** None**Information concerning particular hazards for humans and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | Concentration* | Exposure Limits Health Hazards |
|-------------------------|------------|----------------|--|
| Sodium tripolyphosphate | 7758-29-4 | 25-35 | Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 |

*Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

The specific identities of some of the components of this product are being withheld as trade secrets. However, all pertinent hazards are addressed in this SDS.

4 FIRST AID MEASURES**Description of first aid measures**

General information: None.

After inhalation: Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact: Rinse affected area with soap and water.

If symptoms develop or persist, seek medical attention.

After eye contact: Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing: Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

Most important symptoms and effects, both acute and delayed

None

Indication of any immediate medical attention and special treatment needed:

No additional information.

5 FIRE FIGHTING MEASURES**Extinguishing media**

Suitable extinguishing agents:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons, unsuitable extinguishing agents: None

Special hazards arising from the substance or mixture :

Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.

Refer to Section 8.

Additional information:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.

Avoid contact with skin, eyes and clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Environmental precautions :

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

Reference to other sections: None

7 HANDLING & STORAGE

Precautions for safe handling:

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated area.

Specific end use(s):

No additional information.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No applicable occupational exposure limits.

Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

9 PHYSICAL & CHEMICAL PROPERTIES

ODOR AND APPEARANCE

Appearance (physical state, color): White and cream colored flakes and brown specks - Powder
Explosion limit lower: Not determined or not available.
Explosion limit upper: Not determined or not available.
Odor: Not determined or not available.
Vapor pressure at 20°C: Not determined or not available.
Odor threshold: Not determined or not available.
Vapor density: Not determined or not available.
pH-value: 9.5 (aqueous solution)
Relative density: Not determined or not available.
Melting/Freezing point: Not determined or not available.
Solubilities: Not determined or not available.
Boiling point/Boiling range: Not determined or not available.
Partition coefficient (noctanol/water): Not determined or not available.
Flash point (closed cup): Not determined or not available.
Auto/Self-ignition temperature: Not determined or not available.
Evaporation rate: Not determined or not available.
Decomposition temperature:
Not determined or not available.
Flammability (solid,gaseous): Not determined or not available.
Viscosity: Kinematic: Not determined or not available.
Dynamic: Not determined or not available.
Density at 20°C: Not determined or not available.

10 STABILITY & REACTIVITY

Reactivity : None
Chemical stability : None
Possibility hazardous reactions : None
Conditions to avoid : None
Incompatible materials : None
Hazardous decomposition products : None

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute Toxicity: Oral:: LD50 > 5000 mg/kg oral rat. - product .
Chronic Toxicity: No additional information.
Skin corrosion/irritation: No additional information.
Serious eye damage/irritation: No additional information.
Respiratory or skin sensitization: No additional information.
Carcinogenicity: No additional information.
IARC (International Agency for Research on Cancer): None of the ingredients are listed.
NTP (National Toxicology Program): None of the ingredients are listed.
Germ cell mutagenicity: No additional information.
Reproductive toxicity: No additional information.
STOT-single and repeated exposure: No additional information.
Additional toxicological information: No additional information.

12 ECOLOGICAL INFORMATION

Toxicity: Sodium tripolyphosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h.

Persistence and degradability: No additional information.

Bioaccumulative potential: No additional information.

Mobility in soil: No additional information.

Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

Other adverse effects: No additional information.

13 Disposal considerations

Waste treatment methods (consult local, regional and national authorities for proper disposal)

Relevant Information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 TRANSPORT INFORMATION

BILL OF LADING - BULK (U. S. DOT)

Not Regulated

BILL OF LADING - NON-BULK (U. S. DOT)

Not Regulated

The above description may not cover shipping in all cases, please consult 49 CFR 172.101 for specific shipping information.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed.

Section 302 (extremely hazardous substances): None of the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable Spill Quantity: None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Inventory: All ingredients are listed.

Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canadian Canadian Domestic Substances List (DSL): All ingredients are listed.

EU REACH Article 57 (SVHC): None of the ingredients are listed.

Germany MAK: Not classified.

Australia Australian Inventory of Chemical Substances (AICS): All ingredients are listed.

China Inventory of Existing Chemical Substances in China (IECSC): All ingredients are listed.

Japan Inventory of Existing and New Chemical Substances (ENCS): All ingredients are listed.

Korea Existing Chemicals List (ECL): All ingredients are listed.

New Zealand New Zealand Inventory of Chemicals (NZOIC): All ingredients are listed.

Philippines Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients are listed.

Taiwan Taiwan Chemical Substance Inventory (TSCI): All ingredients are listed.

NFPA: 1-0-0

HMIS: 1-0-0

16 OTHER INFORMATION

Prepared By: HSE Department

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