

Material Safety Data Sheet

Date of issue 01/01/2023

1. Identification of the substance / Company

- Identification of the substance

Commercial name : HpHV

- Identification of the company: EGC "Rein Product"

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2. Physical and Chemical properties/Applications TDS Available

3. Composition/ Information On Ingredients

Hazardous ingredients	Concentration Weight%	CAS Number	EC Number
Sodium hydroxide-active substance	≥30	1310-73-2	215-185-5

4. Hazard Identification

Identification of particular dangers for man and the environment :

- Irritant to the eye : Irritant
- Skin contact : Irritant

5. First Aid Measures

- Contact with skin : Rinse eye with plenty of water for 10 minutes
- Contact with eyes: Rinse eye with plenty of water for 10 minutes, lift upper and lower eyelids from time to time and get medical advice.
- Ingestion: Give plenty of water, do not induce vomiting but if high concentration, get medical attention.

6. Fire – Fighting Measures

Suitable extinguishing media: non-combustible material.

Particular hazards arising from the product itself, from the products of **combustion or from resulting gases:** nonhazardous decomposition product, nonhazardous reaction.

7. Accidental Release Measures

- Personal precautions: avoid contact with eyes.
- Measures to protect the environment : N.A
- Methods for cleaning /removal: Flush the spill with a lot of water.
- Additional indications : N.A

8. Handling and Storage

8.1 Handling

- Safe handling indications: Avoid splashing, avoid contact with eyes.
- Indication on protection against fire and explosion : N.A

8.2 Storage

- Requirements for storage rooms or containers: keep container closed, keep from freezing, and keep from heat.
- Indication about incompatible materials for storage : N.A
- Further data about the storage , storage class : N.A

9. Exposure Control / Personal protection

- Respiratory protection: not required during normal use.
- Hand protection: not required during normal use.
(Avoid prolonged or repeated contact).
- Eye protection: not required during normal use.
- Skin protection: not required during normal use.
(Avoid prolonged or repeated contact).

10. Stability and Reactivity

- Conditions to avoid: none.
- Materials to avoid: none.
- Hazardous Decomposition products: none.
- Further information: stable when stored in closed container.

11. Toxicological Information

11.1 Acute toxicity

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Ingestion: Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

- Eye contact: A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eye can result in permanent injury.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapors or LC50 > 5.0 mg/L for dust and mist or LC50 > 5,000 ppm gas

- Skin contact: This material has been classified as a 6.1E - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): 2,000 - 5,000 mg/Kg bw

Ingestion: This material has been classified as a 6.1D - Substances that are acutely toxic.

Acute toxicity estimate (based on ingredients): 300 - 2,000 mg/Kg bw

Corrosion/Irritancy:

Eye: this material has been classified as a 8.3A - Substances that are corrosive to ocular tissue.

Skin: this material has been classified as a 8.2B - Substances that are corrosive to dermal tissue.

Sensitization:

Inhalation: this material has been classified as not a respiratory sensitizer. Skin: this material has been classified as not a skin sensitizer.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation):

This material has been classified as non-hazardous.

- Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. Ecological Information

The ingredients contained in this product comply with the biodegradability criteria.

13. Disposal Considerations

- **Product Recommendation:** According to national or regional legislation.
- **Contaminated Package Recommendation:** According to national or regional legislation.

14. Transport Information

Not classified as dangerous In transport.

15. Regular Information

- Made according to EU Guidelines.
- National regulation: Refer to national regulations.

16. Other Information

This material safety data sheet and information are offered to you in good faith as accurate. Health and safety precautions in this data sheet may not be adequate for all individuals and/ or situation. It uses obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No warranty is made either expressed or implied and the supplier can assure no responsibility for accuracy or completeness of the data contained in this safety data sheet.



Factory Address: Plot NO.94, sixth industrial zone, 6 October, Giza, Egypt
Industrial Register NO.500031/2019