

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

HYDROXYETHYLCELLULOSE

1. Identification of the substance/mixture and company

Product name/trade name: Hydroxyethylcellulose HEC Gum
INCI: Hydroxyethylcellulose
Uses: Cosmetic Ingredient
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
2.2 Label elements
No labeling is required according to Regulation (EC) No. 1272/2008
2.3 Other hazards
None known

3. Declaration of ingredients

3.1 Substances
Not applicable
3.2 Mixtures
Not a hazardous mixture according to Regulation (EC) No. 1272/2008

4. First aid measures

4.1 Description of first aid measures
General information: Remove contaminated clothing immediately. In the case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible)
Inhalation: Remove casualty to fresh air and keep warm and at rest. Seek medical advice in case of unwellness
Eye contact: After contact with the eyes, rinse with water with the eyelids open for at least 15 minutes, then consult an ophthalmologist immediately
Skin contact: Wash immediately with soap and water
Ingestion: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention
4.2 Most important symptoms and effects, both acute and delayed
None expected
4.3 Indication of any immediate medical attention and special treatment needed
No additional measures identified

5. Fire fighting measures

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5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂), foam, water spray, dry extinguishing powder. Adapt fire-extinguishing measures to surroundings

Unsuitable extinguishing media: Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: No data available

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment, see Section 8

6.2 Environmental precautions

Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil

6.3 Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in a suitable container

6.4 Reference to other sections

Personal protection equipment: See Section 8.

7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Use in well-ventilated areas. Handle and open container with care. Always close containers tightly after the removal of product. Wear personal protective clothing (see section 8)

Measures to prevent fire: Normal measures for preventive fire protection. No special fire protection measures are necessary.

Advice on general occupational hygiene:

Work in well-ventilated zones or use proper respiratory protection. Avoid contact with skin, eyes and clothes. Provide eye shower and label its location conspicuously. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink or smoke. Remove contaminated, clothing immediately. Wash contaminated clothing prior to re-use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in a clean cool and dark place

Requirements for storage rooms and vessels:

Store only in original container. Ensure adequate ventilation of the storage area

Further information on storage conditions: Keep container closed when not in use. Protect containers against damage

7.3 Specific end use(s)

Cosmetics

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8. Exposure controls / personal protection

8.1 Control parameters

Handle according to good industrial hygiene and safety practice

8.2 Exposure controls

Inhalation: Avoid inhalation and handle in a place with adequate ventilation

Eye: Wear safety glasses or goggles

Skin: Wear appropriate clothing and gloves

Environment: Provide environmental protection according to local legislation

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: granules, powder

Physical state: solid

Colour: off-white

Odour: odourless

Odour Threshold: Not applicable

pH: 6.5 - 8.5 Concentration: 1 % (as aqueous solution)

Melting point/freezing point: not determined

Boiling point/boiling range: not determined

Flash point: not determined

Evaporation rate: Not applicable

Upper explosion limit: Upper explosion limit not determined

Lower explosion limit:

Lower explosion limit 30 g/m³

Vapour pressure: Not applicable

Relative vapour density: Not applicable

Relative density: No data available

Density: 1.38 g/cm³

Water solubility: soluble, Limited by viscosity

Solubility in other solvents: No data available

Auto-ignition temperature: 460 °C

Thermal decomposition: No data available

Oxidizing properties: Not applicable

9.2 Other information

No additional information relevant to safe use of the product

10. Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

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10.2 Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions. Dust may form explosive mixture in air.

10.4 Conditions to avoid

Protect from frost, heat and sunlight

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

11. Toxicological information

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Carcinogenicity:

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

12. Ecological information

Ecotoxicity

Product: Ecotoxicology Assessment

Short-term (acute) aquatic hazard: Not classified based on available information.

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Long-term (chronic) aquatic hazard: Not classified based on available information.

Persistence and degradability

Product:

Biodegradability: Result: Inherently biodegradable.

Biodegradation: 25.2 %

Exposure time: 28 d

Method: OECD Test Guideline 302B

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological information: No data available

13. Disposal considerations

13.1 Product/Packaging disposal

Waste must be disposed of in line with local regulations

13.2 Waste treatment-relevant information

Waste must be disposed of in line with local regulations

13.3 Sewage disposal-relevant information

Avoid release to the environment or sewage system

13.4 Other disposal recommendations

Handle contaminated packages in the same way as the product

14. Transport information

According to IATA and ICAO regulations

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

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Not applicable

15. Regulatory information

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

National/local regulations are observed

No labeling is required according to Regulation (EC) No. 1272/2008

Symbol(s): None

R Phrase(s): None

S Phrase(s): None

TSCA list

No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

15.2 Chemical safety assessment

No data available

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No

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1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.