



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 09.08.2015

Version 1.0

HAIRBOND

1. Identification of the substance/preparation and the company

Trade name: Hairbond
INCI Hydrogenated castor oil/sebacic acid copolymer
Utilisation: Raw material for cosmetic preparations
Supplier company **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
identification: Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

May irritate eyes. May irritate skin. May cause irritation of respiratory tract. Ingestion may cause irritation to mucous membranes.

3. Composition / Information on ingredients

INCI name: Hydrogenated castor oil/sebacic acid copolymer

3.1 Substances

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First Aid

4.1 Description of first aid measures

If inhaled : If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and plenty of water.

If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.

If eye irritation persists, consult a specialist.

If swallowed : If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : None known.

5. Fire-fighting Measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 09.08.2015

Version 1.0

HAIRBOND

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not use a solid water stream as it may scatter and spread fire.

Do not allow run-off from fire fighting to enter drains or water courses.

In case of fire hazardous decomposition products may be produced such as: Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires. Use water spray to cool unopened containers.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.

Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections: None.

7. Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Other data : Stable under recommended storage conditions.

7.3 Specific end use(s): none other than stipulated at section 1.

8. Exposure Controls and Personal Protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses



Skin and body protection : Impervious clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

General advice : Prevent product from entering drains.

9. Physical and Chemical Properties

Appearance : viscous liquid

Colour : light yellow



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 09.08.2015

Version 1.0

HAIRBOND

Odour : characteristic
Flash point : 304 °C
Ignition temperature : Remarks: no data available
Lower explosion limit : Note: no data available
Upper explosion limit : Note: no data available
Flammability (solid, gas) : no data available
Oxidizing properties : Note: no data available
pH : Note: not applicable
Melting point : Note: no data available
Boiling point/boiling range : > 100 °C
Vapour pressure : Note: no data available
Density : 0.91 g/cm³ at 100 °C
Water solubility : Note: insoluble
Partition coefficient: noctanol/water : Note: no data available
Solubility in other solvents : Medium: toluene Note: soluble
Viscosity, dynamic : Note: no data available
Viscosity, kinematic : Note: no data available
Relative vapour density : Note: no data available
Evaporation rate : Note: no data available

10. Stability and Reactivity

10.1 Reactivity: no data available
10.2 Chemical stability: no data available
10.3 Possibility of hazardous reactions
Hazardous reactions : Note: Stable under recommended storage conditions.
10.4 Conditions to avoid Conditions to avoid : None known.
10.5 Incompatible materials Materials to avoid : Strong oxidizing agents
10.6 Hazardous decomposition products
Thermal decomposition : Note: no data available

11. Toxicological Information

11.1 Information on toxicological effects
Acute toxicity Acute oral toxicity : LD50: > 5,000 mg/kg rat
Remarks: Information given is based on data obtained from similar substances.
Acute inhalation toxicity : no data available Acute dermal toxicity : no data available
Skin corrosion/irritation Skin irritation : Species: Humans Method: Patch Test 24 Hrs.
Remarks: No skin irritation - mild skin irritation
Serious eye damage/eye irritation Eye irritation : Method: HET-CAM (In vitro study) Remarks: slight irritation
Respiratory or skin sensitisation Sensitisation : Result: Patch test on human volunteers did not demonstrate sensitisation properties.
Germ cell mutagenicity Genotoxicity in vitro : Ames test Result: negative, Not mutagenic in Ames Test.
Target Organ Systemic Toxicant - Single exposure : Remarks: no data available
Target Organ Systemic Toxicant - Repeated exposure : Remarks: no data available
Aspiration hazard Aspiration toxicity : no data available
Further information : no data available

12. Ecological Information



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 09.08.2015

Version 1.0

HAIRBOND

12.1 Toxicity

Toxicity to fish : Remarks: no data available

12.2 Persistence and degradability

Biodegradability : Result: Readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation : Remarks: no data available

12.4 Mobility in soil

Distribution among environmental compartments : Remarks:no data available

Additional advice Environmental fate and pathways: Remarks:None.

12.5 Results of PBT and vPvB assessment: no data available

12.6 Other adverse effects

Additional ecological information: no data available

13. Disposal Considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2012).

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not evaluated

15. Additional Regulatory Information

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

Notification status

REACH : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL.

ENCS : On the inventory, or in compliance with the inventory

ISHL : On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment: This information is not available.

16. Other Information

Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 09.08.2015

Version 1.0

HAIRBOND

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

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.