

Product name: Separating fluid

Article No.: 51800

Print date: 12. March 2021

Revision date: March 12, 2021

1. Chemical Product and Company Identification

1.1 Product identifier: Separating fluid

Product description: An alginate based separation solution

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended use: Professional use only. Separating plaster from denture base material and separating plaster from plaster. Suitable for both packing/pressing technique and cast molding.

1.3 Details of the supplier of the safety data sheet

Manufacturer / distributor identification

Company: HEBA- OTOPLASTIK Labortechnik u. Einrichtungs-
GmbH & Co. KG
Hauptstr. 42 D-63853 Mömlingen
Phone: +49 6022 / 681600 Fax: +49 6022 / 31663
E-Mail: Info@heba.de www.heba.de

1.4 Emergency telephone number:

Toxic emergency call Munich + 49 89 19240 (Toxicological department of the 2nd medical clinic)

2. Hazards identification

2.1 Classification of the substance or mixture

According to Regulation (EG) No. 1272/2008 [CLP].

According to Regulation (EC) No. 1272/2008 (CLP).

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements: Not applicable.

2.3 Other hazards: Not classified as PBT or vPvB.

3. Composition / information on ingredients

3.1 Substances: This product is a mixture.

3.2 Mixtures: The product does not meet the criteria for classification in any hazard class.

Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. Note that the concentration of hazardous goods in the mixture are too low to give the mixture some of their specific hazards. According to Regulation (EG) Nr. 1272/2008 [CLP].

Hazardous ingredient(s)	% W/W	EINECS No.	Hazard Class and Category Code(s)	Hazard statement Code(s)
Disodium Dihydrogen Diphosphate	>0,75	231-835-0	Eye irrit. 2	H319

Full text of H and EUH statements: see section 16.

4. First aid measures

4.1 Description of first aid measures

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Obtain

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medical attention in case of complaints.

Skin Contact: IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing immediately.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation effect occur.

Ingestion: Do not induce vomiting. Rinse mouth. If person is conscious and alert, give 2 glasses of water. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of the immediate medical attention and special treatment needed: No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: In case of fire, use water spray, foam, dry powder or CO₂.

Unsuitable Extinguishing Media: ---

5.2 Special hazards arising from the substance or mixture: Not applicable.

5.3 Advice for firefighters: No special measures required

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Caution – spillages may be slippery. Wear protective gloves and eye protection. See section: 8.

6.2 Environmental precautions.

The product is allowed to drain into sewers

6.3 Methods and material for containment and cleaning up

The product can be disposed as house waste and be incinerated in accordance with the local regulations.

6.4 Reference to other sections

See section 8, 13.

7. Handling and storage

7.1 Precautions for safe handling

Do not eat, drink or smoke at the work place. Wash thoroughly after handling. Use always a clean brush to avoid contamination of the product. To avoid infection: never work directly from the main supply.

7.2 Conditions for safe storage, including any incompatibilities: Store in a cool, dry place.

7.3 Specific end use(s) Only intended for separating plaster from denture base material and separating plaster from plaster.

8. Exposure controls / personal protection

8.1 Control parameters

Substance	Ec No.
Disodium Dihydrogen Diphosphate	231-835-0

DNEL (100% component)	Inhalation
Worker – Long Term – Systemic effects	2,79 mg/m ³
Consumer – Long Term – Systemic effects	0,68 mg/m ³

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PNEC (100% component)	W
Aquatic compartment	0,05 mg/l (fresh water)
	0,005 ng/l (sea water)

8.2 Exposure controls

Appropriate engineering controls: Do not eat, drink or smoke at the work place. Keep working clothes separately. Take off contaminated clothing immediately.

Individual protection measures, such as personal protective equipment (PPE):

Eye/face protection: Wear eye/face protection.

Skin protection: Wear suitable gloves (Latex).

Respiratory protection: No special precautions.

Environmental exposure controls: Not applicable.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Color:	Blue
Odor:	Odorless
pH:	Not applicable
Melting point:	< 0°C
Boiling point:	> 100°C
Flash point:	Not applicable
Vapor pressure:	2,3 kPa at 20°C
Solubility (Water):	Soluble, not difficult to mix
Auto ignition temperature:	Not selfigniting
Explosive properties:	No explosion hazard
Oxidising properties:	Not applicable
Relative density:	1,01 (water = 1) at 15,5°C
Other information:	None

10. Stability and reactivity

10.1 Reactivity: None

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: None

10.4 Conditions to avoid: Use always a clean brush to avoid contamination of the material.

10.5 Incompatible materials: By use according the instructions: none

10.6 Hazardous decomposition products: By use according the instructions: none

11. Toxicological information

11.1 Information on toxicological effects: The product does not meet the criteria for classification in any hazard class according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

(Based on 100% Disodium Dihydrogen Diphosphate)

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Acute toxicity

Ingestion: Ingestion may cause irritation.

Ingestion toxicity data: LD50 (oral)(rat) > 2400 mg/Kg

Ingestion STOT-single exposure: Not applicable.

Inhalation: May cause respiratory irritation.

Inhalation toxicity data: LC50 (vapour)(rat)(4 hr) >0,58 mg/l

Inhalation STOT-single exposure: Exposure to high concentrations may produce adverse effects on the nasal epithelium.

Skin Contact: May cause an allergic skin reaction.

Skin contact toxicity data: LD50 (dermal)(rat) > 2000 mg/Kg

Skin contact STOT-single exposure: Not applicable.

Eye Contact: Will cause irritation.

Eye STOT-single exposure: Not applicable.

Aspiration hazard data: Not an aspiration hazard.

Sensitization

Skin sensitization data: Primary Skin irritation Index (rabbit)(24 hr) 2,58

Respiratory sensitization data: Not a respiratory sensitizer.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity data: No evidence of carcinogenicity. (OECD 451)

12. Ecological Information

This product is allowed to drain into sewers.

12.1 Toxicity

Disodium Dihydrogen Diphosphate (100%)

Toxicity to fish: LC50 (96 h) (Oncorhynchus mykiss) 840 mg/l

Toxicity to aquatic invertebrates (mg/l): EC50 (48 h) (Daphnia magna) >100 mg/l

Toxicity to algae: EC50 (72 h) (Selastrum capricornutum)
>100 mg/l

12.2 Toxicity Persistence and degradability

Disodium Dihydrogen Diphosphate (100%): Not applicable.

12.3 Bioaccumulative potential

Disodium Dihydrogen Diphosphate (100%): Not applicable.

12.4 Mobility in soil: The products is predicted to have high mobility in soil.

12.5 Results of PBT and vPvB assessment: Not classified as PBT or vPvB.

12.6 Other adverse effects: Not subject to international restrictions.

13. Disposal considerations

13.1 Waste treatment methods: The product can be disposed as house waste and be incinerated in accordance with the local regulations.

14. Transport Information

14.1 UN-No.: Not applicable.

14.2 UN Proper Shipping Name: Not applicable.

14.3 Transport hazard class(es): Not applicable.

14.4 Packing group: Not applicable.

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14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

15. Regulatory information

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

Regulation (EC) No 1272/2008 (Classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 107/2006. Directive 2009/161/EU (third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 200/39/EC).

15.2 Chemical Safety Assessment: Not applicable.

16. Other information

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 453/2010. The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. The values mentioned in section 8 of this datasheet are based on the invalid values in The Netherlands. Other countries may apply other values.

LEGENDE

Note: Not all of the following are necessarily contained in this Safety Data Sheet:

WEL:	Workplace Exposure Limit.
Bmgv:	Biological Monitoring Guidance Value.
Sen:	Capable of causing respiratory sensitization.
Sk:	Can be absorbed through skin.
Carc:	Capable of causing cancer and/or heritable genetic damage.
CHAN:	Chemical Hazard Alert Notice.
COM:	The company aims to control exposure in its workplace to this limit.
LTEL:	Long Term Exposure Limit.
STEL:	Short Term Exposure Limit.
TWA:	Time Weighted Average.
STOT SE:	Specific Target Organ Toxicity – Single Exposure.
Repr.:	Reproductive toxicity.
Aquatisch akut/chronisch:	Hazardous to the aquatic environment.
Full text of H/P/R phrases	
H319: Causes serious eye irritation.	