

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name and Code : DHV Gips-Bio-Fluid

Recommended application:

Separation, stabilization and dispersion of all sorts of gypsum water

Name of the company:

DHV Dental Handels & Vertriebs GmbH

Wasserkampstr. 13

DE-30559 Hannover / Germany

Phone of the company: 0049(0)511/82 366 19

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2. HAZARDS IDENTIFICATION OF THE PREPARATION

All data refer to the dealing with the concentrate. Normally the products is used in dilutions with water.

Identification:

n.a.

n.a.

Class of waterendangering liquid: 1

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Characterisation:

Solution of a polyacrylamide polymer in water

EINECS-No. names

CAS-No.

R phrases

Symb.

Conc-%

REACH registration number

n. a.

Additional information:

Clear texts of R-sentences see section 16.

4. FIRST AIP MEASURES

General :

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Eye contact :

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Skin contact :

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser.

Ingestion :

If accidentally swallowed obtain immediate medical attention. Keep at rest.
Do not induce vomiting.

5. **FIRE-FIGHTING MEASURES**

Extinguishing media :

Recommended: alcohol resistant foam, carbon dioxide, powders, waterspray

Recommendations:

No special measures necessary.

Fire may produce smoke and gas. Appropriate breathing apparatus may be required.

Additional information:

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.

6. **ACCIDENTAL RELEASE MEASURES**

Personal responsibility:

No special measures necessary.

Refer to protective measures listed in sections 7 and 8.

Environmental measures:

Contain and collect spillage with absorbent materials, e.g. sand, earth.

Cleaning measures

Clean preferably with a detergent.

7. **HANDLING AND STORAGE**

Handling.

Product is used in dilutions with water.

No special measures necessary.

For **personal protection** see Section 8.

Storage.

Observe label precautions. Store above 0°C in a dry, well ventilated

Containers which are opened must be carefully resealed and kept

upright to prevent leakage.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Measures.

Not necessary.

Exposure Limits.

Occupational exposure limit for :

EINECS-No. Names

STEL

LTEL

The indicated values are taken from TRGS 900 with the creation

valid TRGS 901 or the VCI workstation approximate value table.

Personal Protection. Respiratory protection: Not necessary. **Hand protection:**

For prolonged or repeated contact, use protection gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Hand protection: Chemical protection gloves from butyl rubber or nitrile rubber of the category III in accordance with EN 374.

Consider the specification of the manufacturer at the permeability and break-through times as well as the special conditions on the workstation (mechanical load, contact duration).

Eye protection:

Use safety eyewear designed to protect against splash of liquids.

Skin protection:

Not necessary

9 . PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|------------------------------|-----------------------|-----------|
| Physical state | liquid | Method: |
| Colour | yellow-brown | |
| Odour | light | |
| flash point viscosity | n.a. | DIN 53213 |
| specific gravity | at 20 °C 65-110 mPa*s | |
| vapour pressure lower | 1.28 | |
| explosion limit upper | 0.00 n.a. | |
| explosion limit | n.a. > 100 | |
| boiling point pH- | water: 6.7 0 | |
| value 10.0% in | soluble in water | |
| solubility in water | | |

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions.(See section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen. Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. TOXICOLOGICAL INFORMATION**Additional toxicological hints:**

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. The liquid splashed in eyes may cause irritation and reversible damage.

General remarks:

The product is not checked as such. The preparation is classified according to the conventional method (computation method of the European Union guideline 1999/45/EC) and according to the toxicological dangers (details see to chapter 2 and 15).

Summarized evaluation of the CMR properties:

EINECS-No. names
classification
REACH registration number

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2 .

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself. The product is classified due to the conventional method of guideline 1999/45/EG and not classified as dangerous for environment.

The product should not be allowed to enter drains or watercourses.

Results of PBT assessment:

EINECS-No. names
classification
REACH registration number

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

13. **DISPOSAL CONSIDERATIONS**

Do not allow into drains or watercourses.
Empty containers are to be deposited according to the official rules.

14. **TRANSPORT INFORMATION**

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

ADR/RID: Class : not a dangerous good
UN-Nr.: n. a.
Tremcard: n. a.

Transport document name:

Contain:

Packaging group: n. a.

IMDG: Class: n. a.

UN-Nr.: n. a.

EmS: n. a.

Marine pollutant: n. a.

Proper technical name:

Packaging group: n. a.

ICAO/IATA:Class: n. a.

UN.Nr.: n. a.

Proper shipping name:

Packaging group: n. a.

REGULATORY INFORMATION

Chemical safety assessment:

EINECS-No. names
REACH registration number

Chemical Safety Assessments for substances in this preparation were not carried out.

The requirements of the Classification Packaging and Labelling of Dangerous Substances Regulations. The product is labelled as follows :

Danger classification :

n.a.

Contains:

n.a.

R phrases:

n.a.

S phrases:

n.a.

other phrases:

n.a.

National regulations Germany:

Classification according to a.m. decree:

(only if different from EC-Classification)

Hints for limiting of handling/working:

Maternity protection and law for the protection of young workers are to be observed.

Decree for the case of incident:

Class of water risk: 1

(Mixture rule in accordance with appendix 2 the VwVwS)

Technical instructions air:

TI-Air Class I: 0 % Class II: 0 % Class III: 0 %

Classification according to Vbf:n.a.

As soon as the product falls under the Biozid-announcement-regulation, declaration of the registered number:

Registered biocide product according to ChemBiozidMeldeV:

Registered number:

16. OTHER INFORMATION

R-phrases with respective code digit from chapter 3:

n.a.

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products' properties.

The specification in this safety data sheet is necessary after § 6 of the dangerous material regulation in connection with the guideline annex II of the regulation EG 1907/2006.

Enclosure:

At the moment there are no sufficient information for exposition scenarios for the substances used in preparation available, so that a total evaluation of the preparation cannot be carried out yet.