

EU-Safety Data Sheets relating 91/155/EEC number: 163-405

Home Nr.: 163-405 Revise at: 01.2010
Name of Cmrce. **Mix Bonding System, Set**
Version: 1.1 Class of: 01.2010
Product no.: **163-405-00**
Code:

01. Identification of the Substance and of the Company

Product Definition

Name of Cmrce.: Mix Bonding System, Set
Product-Infos: Mix Bonding System, Set
Manufacturer: DENTAURUM GmbH & Co. KG
Turnstraße 31 D-75228 Ispringen

Information from

Emergency-Info: Chemie
07231-803-184/190

02. Composition/Information on Ingredients

Chemical Nature:
Etching Liquid:
Aqueous preparation based on phosphoric acid
Pastes and Primer:
Preparation based on acrylic resin and silica, contains aliphatic dimethacrylates, aromatic dimethacrylates.

CAS: 7664-38-2	EG: 231-633-2	UN: 1805	EINECS:
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Dangerous Contents:

CAS number/Description:	Concentration:	GS:	R Phrases:
7664-38-2 phosphoric acid		C	34

03. Hazards Identification

34 Causes burns (Etching liquid)
36/37/38 Irritating to eyes, respiratory system and skin (Pastes and Primer)

Patients allergic to dibenzoylperoxide should not be treated with this product.

04. First-Aid Measures

- First aid measures / general information
Remove contaminated soaked clothing immediately and dispose of safely.
- First aid measures / skin contact
In case of contact with skin wash off immediately with soap and water
- First aid measures / eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
- First aid measures/ if swallowed
Summon a doctor immediately.
Rinse out mouth and give plenty of water to drink.

05. Fire-fighting Measures

- Suitable extinguishing materials
Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed.

06. Accidental Release Measures

- personal precautions
Hand protection
eye protection
- environmental precautions
Do not discharge into the drains/surface waters/groundwater.
- methods for cleaning up/taking up
Take up with absorbent material and dispose

07. Handling and Storage

- Further information on storage conditions
Keep container tightly closed

08. Exposure Controls/Personal Protection

- Hand protection
Plastic gloves
- Eye protection
goggles
- General protective measures
Avoid contact with eyes and skin
- Hygiene measures
Remove soiled or soaked clothing immediately.
After work-time and during work intervals the affected skin areas must be thoroughly cleaned.
Keep away from food and drink.

Ingredients relating to Workplace-Limits to get supervised

CAS number/Description:	Concentration:	Typ:	Value:
7631-86-9 silicon dioxide	-	MAK	4,000 mg/m ³ ml/m ³

09. Physical and chemical Properties

- Form
Highly viscous (Etching liquid)
Pasty (Pastes and Primer)
- Colour
colourless (Pastes and Primer)
blue (Etching liquid)
- Odour
ester-like (Pastes and Primer)
odourless (Etching liquid)
- pH-value: ca. 1 (Etching liquid)
- Changes in physical state 2, liquid - gaseous and others
Boiling point: > 100°C (Etching liquid)
- Flash point / remarks: > 150°C (Pastes and Primer)
- Density / remarks 1,4 g/cm³ (Etching liquid) / 1,3 - 1,8 g/cm³ (Pastes and Primer)

10. Stability and Reactivity

- Hazardous reactions
No hazardous reactions known.

11. Toxicological Information

- Irritant effect on skin / validation
irritant (Pastes and Primer)
corrosive (Etching liquid)
- Irritant effect on eyes / validation
irritant (Pastes and Primer)
corrosive (Etching liquid)

12. Ecological Information

- General information / ecology
Do not allow to enter soil, waterways or waste water

13. Disposal Considerations

- Disposal / product
The product is subject to a special disposal procedure, taking into consideration the local official regulations, for example in an appropriate combustion system (Etching liquid)
Hardened: Can be disposed of or incinerated together with household refuse
Non-hardened material must be treated as hazardous waste
Waste code no. (only EC):
060104 (Etching liquid)
080409 (Pastes and Primer)

14. Transport Information

- UN 1805
- Land transport / lorry / international / remarks
1805 Phosphoric acid, solution, 8, III, ADR
- Land transport / rail / international / remarks
1805 Phosphoric acid, solution, 8, III, RID
- Marine transport / remarks
Proper shipping name: Phosphoric acid, solution
- Air transport / remarks
proper shipping name: Phosphoric acid, solution

	GGVS/E-Class/Digit: 8, III	AS-No.: 060104 080402 080404
1805	ADR/RID-Class/Digit: 8, III ADNR-class: IMDG/GGVSee-CI/Digit: 8 MFAG: 700	Category: EmS: F-A, S-B ICAO/IATA: 8 PG: III

15. Regulatory Information

- Labelling
The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.
Hazard symbols
- C Corrosive (Etching liquid)
- Xi Irritant (Pastes and Primer)
R phrases
- 34 Causes burns (Etching liquid)
- 36/37/38 Irritating to eyes, respiratory system and skin (Pastes and Primer)
S phrases
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28 After contact with skin, wash immediately with plenty of water.
- Water hazard class / remarks
weakly water hazardous WGK 1



Corrosive



Irritant

16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.