



## 1 Identification of substance:

· **Product details:**

- **Trade name: Prime&Bond NT**
- **Application of the substance / the preparation** Adhesive

· **Manufacturer/Supplier:**  
 DENTSPLY DeTrey GmbH  
 De-Trey-Str. 1  
 D-78467 Konstanz  
 GERMANY

Tel.: +49-(0)7531-583-0  
 Fax: +49-(0)7531-583-104

· **Further information obtainable from:**

- Departement Analytical Research / Research & Development for technical information
- Departement Marketing & Sales for distribution of the safety data sheets

· **Information in case of emergency:** +49-(0)7531-583-0

## 2 Hazards identification

· **Hazard description:**

Xi Irritant  
 F Highly flammable

· **Information concerning to particular hazards to man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotizing effect.

R 11 Highly flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

· **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 67-64-1 EINECS: 200-662-2	acetone Xi, F; R 11-36-66-67	50-100%
	methacrylate with the exception of those specified elsewhere in this Annex Xi; R 36/37/38	10-25%
	acrylates with the exception of those specified elsewhere in this Annex Xi, N; R 36/37/38-51/53	2.5-10%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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· **After s allo ing** If symptoms persist consult doctor.

### Fire fighting measures

- **Suitable e tinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable e tinguishing agents** Water with full jet.
- **Protective e uipment:** Wear self-contained respiratory protective device

### 6 Accidental release measures

- **Person related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling** Product is intended for dental use only.
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Observe normal care for working with chemicals.
- **Information about fire and e plosion protection:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Storage**
- **e uirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

### E psure controls and personal protection gear

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients ith limit values that re uire monitoring at the orkplace:**

67 64 1 acetone

OEL	Short-term value: 3000 mg/m <sup>3</sup> , 1250 ml/m <sup>3</sup>
	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ml/m <sup>3</sup>

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective e uipment**
- **eneral protective and hygienic measures**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

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- **respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

- **eneral Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellow
<b>dour:</b>	Characteristic

- **Change in condition**

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** 55°C

- **Flash point:** -19°C

- **Ignition temperature:** 465°C

- **Self igniting:** Product is not selfigniting.

- **Danger of e plosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Density:** Not determined

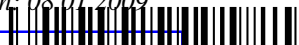
- **Solubility in / Miscibility ith ater:** Partly miscible

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

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**11 Toxicological information**

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:**  
Irritant to skin and mucous membranes.  
The unpolymerized product may be irritant to the skin for susceptible persons.
- **on the eye:** Irritating effect.
- **Sensitization:**  
Repeated or prolonged contact with the not polymerized product may cause sensitization for acrylates / methacrylates.
- **Additional to toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
Irritant

**12 Ecological information:**

- **Ecotoxic effects:**
- **emark:** Harmful to fish
- **eneral notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Harmful to aquatic organisms

**13 Disposal considerations**

- **Product:**
- **ecommendation**



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **ncleaned packaging:**
- **ecommendation:** Disposal must be made according to official regulations.
- **ecommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 Transport information**

- **and transport AD / ID cross border**



- **AD / ID class:** 3 (F1) Flammable liquids.
- **Danger code emler :** 33
- **N Number:** 1090
- **Packaging group:** II
- **Hazard label** 3

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· **Description of goods:** 1090 ACETONE, mixture

· **Maritime transport IMD :**



· **IMD Class:** 3  
 · **N Number:** 1090  
 · **Label:** 3  
 · **Packaging group:** II  
 · **EMS Number:** F-E,S-E  
 · **Marine pollutant:** No  
 · **Proper shipping name:** ACETONE, mixture

· **Air transport ICA TI and IATA D :**



· **ICA /IATA Class:** 3  
 · **N/ID Number:** 1090  
 · **Label:** 3  
 · **Packaging group:** II  
 · **Proper shipping name:** ACETONE, mixture

## 1 Regulations

· **Labelling according to E guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

· **Code letter and hazard designation of product:**



Xi Irritant  
 F Highly flammable

· **Risk phrases:**

11 Highly flammable.  
 36/37/38 Irritating to eyes, respiratory system and skin.  
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

9 Keep container in a well-ventilated place.  
 16 Keep away from sources of ignition - No smoking.  
 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
 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.  
 37 Wear suitable gloves.  
 46 If swallowed, seek medical advice immediately and show this container or label.  
 60 This material and its container must be disposed of as hazardous waste.  
 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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- **National regulations**
- **Technical instructions air :**

Class	Share in
III	64.6

- **aterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 16 ther information:

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

*The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer.*

*For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.*

- **elevant phrases**

11 Highly flammable.

36 Irritating to eyes.

36/37/38 Irritating to eyes, respiratory system and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:** Analytical Research

- **Contact:** HotLine for urgent technical support: +49-7531-583-333