

## SAFETY DATA SHEET

### SECTION 1

#### 1.1. MATERIAL IDENTIFICATION

TRADE NAME: **PROGRESS PLUS, PROGRESS FLOW, PROGRESS**

#### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses: Dental material  
Uses advised against: No further data

#### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

##### MANUFACTURER:

Mutsumi Chemical Industries Co. LTD  
8-9 Banko-Cho, Yokkaichi, Mie 510-0804, Japan  
Phone: +81-59-331-2354  
Fax: +81-59-331-2856

##### EUROPEAN REPRESENTATIVE:

Mutsumi Dental SRL  
53 Toma Stelian St., Roman 611130, Neamt, Romania  
Phone: +40-233-734-839  
Fax: +40-372-008-537  
Email: [office@mutsumidental.eu](mailto:office@mutsumidental.eu)

Further information obtainable from: Manufacturer or Representative

#### 1.4. EMERGENCY PHONE NUMBER:

+40- 767-071-330 This phone number is serviced during office hours  
(Monday to Friday between 08.30 am and 4.30 pm).

### SECTION 2

#### HAZARD IDENTIFICATION:

##### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE Classification according to Regulation EC 1272/2008

Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.

Eye Irrit. 2

H319

Causes serious eye irritation



GHS07



Xi, Irritant

R36/38 : Irritating to eyes and skin.

Hazard determining components: UDMA

Signal word: Warning

Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P352	If on skin: Wash with plenty of soap and water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/regional/international regulation.

## 2.2 OTHER HAZARDS

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3

### COMPOSITION ON INGREDIENTS:

#### 3.1 CHEMICAL CHARACTERIZATION : Mixtures

**3.2 DESCRIPTION :** Mixture of substances listed below with nonhazardous ingredients.



### 3.3 DANGEROUS COMPONENTS:

Dangerous components:		
CAS: 72869-86-4 EINECS: 276-957-5	Urethane dimethacrylate Xi R36/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1 H317;	10-25%
CAS: 109-16-0 EINECS: 203-652-6	Triethylene glycol dimethacrylate Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2H319; STOT SE 3, H335	5-10%

## SECTION 4

### FIRST AID MEASURES:

#### 4.1 DESCRIPTION OF FIRST AID MEASURES

**Eye contact:** Rinse cautiously open eye with water for several minutes under running water. Remove contact lenses. If eye irritation persists, get medical attention.

**Skin contact:** Wash immediately with soap and plenty of water. If skin irritation appears, get medical advice/attention.

**Ingestion:** Do not induce vomiting. Get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of unconsciousness, place patient in side position for transportation.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:** No further information available.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND TREATMENT NEEDED:** No further information available.

## SECTION 5

### FIREFIGHTING MEASURES:

#### 5.1 EXTINGUISHING MEDIA:

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight large fires water spray or alcohol resistant foam.



**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:** No further information available.

**5.3 ADVICE FOR FIREFIGHTERS:**

- Wear fully protective suit.
- Wear self-contained respiratory protective devices.

## SECTION 6

**ACCIDENTAL RELEASE MEASURES:**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Avoid eye and skin contact.

**6.2 ENVIRONMENTAL PRECAUTIONS:** Send to approved treatment/disposal company, dispose according to local regulations. Do not allow to enter sewers, surface or ground water.

**6.3 METHODS AND MATERIAL FOR CONTAINING AND CLEANING UP:** Pick up mechanically and discard in a suitable container.

**6.4 REFERENCE TO OTHER SECTIONS:**

- See Section 7 for information on safe handling;
- See Section 8 for information on personal protection equipment;
- See Section 13 for disposal information.

## SECTION 7

**HANDLING AND STORAGE:**

**7.1 PRECAUTIONS FOR SAFE HANDLING:** Ensure good ventilation/exhaustion at the working place. Prevent formation of aerosols. Avoid inhalation of grindings and prolonged skin contact with uncured product.

**7.2 INFORMATION ABOUT FIRE AND EXPLOSION PROTECTION:** No special measures required.

**7.3 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

- Storage: Store in a cool and dark location (2-25°C). Keep container tightly sealed.

**7.4 SPECIFIC END USE(S):** No further relevant information available.

## SECTION 8

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS:

- **Ingredients with limit values that require monitoring at the working place:** The product does not contain any relevant quantities of material with critical values that have to be monitored at the working place.

#### 8.2 EXPOSURE CONTROLS:

- **Respiratory protection:** Use mask while grinding or finishing.
- **Skin protection:** Hand protection:



#### 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 cannot be calculated in advance and has therefore to be checked prior to the application.

- ✓ Penetration time of glove material:

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

- **Eye protection:**



#### Tightly sealed goggles

## SECTION 9

### PHYSICAL AND CHEMICAL PROPERTIES:

#### 9.1 Information on basic physical and chemical properties:

Appearance/ Colour/ Odour :	Colored paste/Odourless.
pH Value:	Not applicable.
Melting point/Freezing point:	Not determined.
Boiling point:	Not determined.
Flash point:	Not applicable.
Evaporation rate:	Not applicable.
Ignition temperature:	Not applicable.
Danger of explosion:	Does not present an explosion hazard.
Explosion limits lower/ upper:	Not applicable.
Solubility in water:	Insoluble.
Relative Density:	2.0g/cm <sup>3</sup>
Partition coefficient: n-octanol/water:	Not applicable.

**9.2 Other information:** No further information available.

## SECTION 10

### STABILITY AND REACTIVITY

- 10.1 Reactivity:** Polymerization will occur with light, heat.
- 10.2 Chemical stability:** Stable under normal temperature and pressure.
- 10.3 Thermal decomposition:** No decomposition will occur if used according to specifications.
- 10.4 Possibility of dangerous reactions:** No dangerous reactions known.
- 10.5 Conditions to avoid:** No further relevant information available.
- 10.6 Incompatible materials:** No further relevant information available.
- 10.7 Hazardous Decomposition Products:** None under normal conditions of storage and use.

## SECTION 11

### TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects:

- **Acute toxicity:**
  - Primary irritant effect: -on the skin:** Irritant effect to skin and mucous membranes.
  - on the eye:** Irritant effect to eye.
- **Sensitization:** No sensitizing effect known.

- **Additional 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**.

## SECTION 12

### ECOLOGICAL INFORMATION:

- 12.1 TOXICITY:** No further relevant information available.
- 12.2 PERSISTENCE AND DEGRADABILITY:** No further relevant information available.
- 12.3 BIOACCUMULATIVE POTENTIAL:** No further relevant information available.
- 12.4 MOBILITY IN SOIL:** No further relevant information available.
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable.
- 12.6 OTHER ADVERSE EFFECTS:** No further relevant information available.

## SECTION 13

### DISPOSAL CONSIDERATIONS

- 13.1 WASTE TREATMENT METHODS- RECOMMENDATION:** Dispose of contents to in accordance with official local/regional/national/international regulations. Do not allow product to reach sewage system.
- 13.2 UNCLEANNED PACKAGING- RECOMMENDATION:** Disposal must be made according to official regulations.

## SECTION 14

### TRANSPORT INFORMATION

<ul style="list-style-type: none"> <li>• UN Number</li> <li>• ADR,ADN,IMDG,IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>• UN proper shipping name</li> <li>• ADR,AND,IMDG,IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>• Transport hazard class</li> <li>• ADR,AND,IMDG,IATA</li> <li>• Class</li> </ul>	Void
<ul style="list-style-type: none"> <li>• Packing group</li> <li>• ADR,IMDG,IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>• Environmental hazards:</li> <li>• Marine pollutant</li> </ul>	No
<ul style="list-style-type: none"> <li>• Special precautions for user</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>• Transport in bulk according to Annex II Of MARPOL73/78 and the IBC Code</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>• UN "Model Regulation":</li> </ul>	-

## SECTION 15

**REGULATORY INFORMATION:**

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

- ✓ **EU Regulations:** See Section 2.
- ✓ **Other regulations, limitations and prohibitive regulations:** The product is a medical device according to the EC directive 93/42/EEC.

**15.2 CHEMICAL SAFETY ASSESSMENT:** A Chemical Safety Assessment has not been carried out.

**SECTION 16**

**OTHER 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.

**Version 5**

**Relevant phrases:**

- H315** Causes skin irritation.
- H319** Causes serious eye irritation.
- H317** May cause an allergic skin reaction.
- H335** may cause respiratory irritation.

**R36/37/38** Irritating to eyes, respiratory system and skin.

**R36/38** Irritating to eyes and skin.

**Abbreviations and acronyms:**

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**CAS:** Chemical Abstracts Service

**PBT:** Persistent, Bioaccumulative and Toxic

**vPvB:** very Persistent and very Bioaccumulative