

# beulentechnik AG

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Pullmelt 6**  
MANUFACTURER: **beulentechnik AG**

ADDRESS: **Weissbadstrasse 44  
CH-9050 Appenzell  
Switzerland**

EMERGENCY PHONE:  
Issue Date: **25. 4. 2002**  
Supercedes Date:

**Product Specific Use:** Paintless dent pulling adhesive (Color-Tan)

### 2. INFORMATION ON INGREDIENTS

<b>Ingredient</b>	<b>C.A.S. No.</b>	<b>% by Wt</b>
Ethylene-Vinyl Acetate Copolymers	24937-78-8	35 - 55
Hydrocarbon resins	68131-99-7	12 - 22
Ester of Rosin	8050-26-8	10 - 20
Ethylene-Ethyl Acrylate-Maleic Anhydride Terpolymer	41171-14-6	3 - 10
4-methyl-2,6-di-tert-butyl-phenol	128-37-0	0.2 - 0.8
Pentaerythritol tetrakis (3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	0.2 - 0.7
Tris (nonyl phenyl) phosphite	26523-78-4	0.1 - 1.5

The components of this product are in compliance with the chemical notification requirements of TSCA.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

General Physical Form: Solid  
Specific Physical Form: Waxy Solid  
Grade, Color, Odor: solid adhesive in sticks, blue, odorless (Molten state: slight resinous odor).  
Immediate health, physical, and environmental hazards: May cause thermal burns.

#### NOTE:

Very low inhalation hazard when normal industrial hygiene practices are used. The product should be used in a well ventilated area.

## POTENTIAL HEALTH EFFECTS

**Short Term Exposure:**

No effects known on humans from discontinuous short-term exposure.

**Long term Exposure:**

No permanent effects on humans known from discontinuous long-term exposure when used as directed.

**Eye Contact:**

Vapors from heated material may cause eye irritation.

**Skin Contact:**

Thermal Burns: Symptoms may include intense pain, redness and swelling, and tissue destruction.

**Inhalation:**

During Heating:

Upper Respiratory Tract Irritation: Symptoms may include cough, sneezing, nasal discharge, and nose and throat pain.

**Ingestion:**

Physical Blockage: symptoms may include cramping, abdominal pain, and constipation.

## POTENTIAL ENVIRONMENTAL EFFECTS

A conservative, screening level assessment of this product indicates that its use and proper disposal are expected to present a low environmental risk.

## 4. FIRST AID MEASURES

### FIRST AID PROCEDURES

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MATERIAL. Get immediate medical attention.

**Skin Contact:**

Immediately flush skin with large amounts of cold water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MATERIAL. Cover affected area with a clean dressing. Obtain medical attention.

**Inhalation:**

Remove person to fresh air. If Symptoms develop, get medical attention.

**Oral:**

Drink large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

**Flash Point** >428 °F (220 °C)

### EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers water spray, sand, dry powder, carbon dioxide or foam.

### PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective clothing, including gloves, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, face mask, and protective covering for exposed areas of the head.

**Unusual Fire and Explosion Hazards:** Not applicable.

**Note:** See stability and reactivity (section 10) for hazardous combustion and thermal decomposition information.

## 6. ACCIDENTAL RELEASE MEASURES

This product represents little hazard to humans since this material is regarded as not being acutely toxic. Put in a container for reuse or disposal. If necessary use an appropriate absorbent. Powder and dust should be sprinkled with water.

Combustion Products: Carbon mono and dioxide, steam and smoke.

## 7. HANDLING AND STORAGE

### HANDLING

Avoid skin contact with hot material. Keep out of the reach of children.

### STORAGE

Store away from heat. Store out of direct sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

Use in a well-ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

#### Eye/Face Protection

Avoid eye contact.

The following eye protections are recommended: Safety glasses with side shields.

#### Skin Protection

Avoid skin contact with hot material. Wear appropriate gloves, when handling this material to prevent thermal burns.

#### Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### Prevention of Swallowing

Not an expected route of exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>General Physical Form:</b>	Solid
<b>Specific Physical Form:</b>	Waxy Solid
<b>Grade, Color, Odor:</b>	solid adhesive in sticks, ecru, odorless. (Molten state: slight resinous odor.)
<b>Flash Point</b>	>428 °F (220 °C)
<b>Boiling Point</b>	<i>No Data Available</i>
<b>Density</b>	1,236 g/cm <sup>3</sup>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Density</b>	Nil
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	Nil
<b>pH</b>	<i>Not Applicable</i>
<b>Melting Point (R&amp;B)</b>	216 °F ± 5 °F (102 °C ± 5 °C)
<b>Solubility in Water</b>	Nil
<b>Evaporation Rate</b>	<i>Not Applicable</i>
<b>Volatile Organic Compounds</b>	<i>Not Applicable</i>
<b>Percent Volatile</b>	<i>Not Applicable</i>
<b>VOC Less H<sub>2</sub>O &amp; Exempt Solvents</b>	<i>No Data Available</i>
<b>Viscosity (Brookfield)</b>	40 – 100 Pa.s at 338 °F (170 °C) 90 – 200 Pa.s at 374 °F (190 °C)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Materials and Conditions to Avoid:** Heat

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition or By-Products:**

Substance	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

## 11. TOXICOLOGICAL INFORMATION

**Toxicological tests:**

No data available

**Experiences from application:**

Pullmelt 6 evolves fumes at application temperatures which can cause annoying odor.

In case that application temperatures are significantly exceeded for longer time degradation harmful gases can develop.

**Generally:**

According to our present knowledge no health hazard is known at suitable application.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION**

Not Determined

**CHEMICAL FATE INFORMATION**

Not Determined

**BIODEGRADABILITY**

Based on tests on similar products it is expected that this product cannot be regarded as readily biodegradable in the Modified Sturm Test. However, it will be very slowly biodegradable.

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: reclaim if feasible. If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator. Since regulations vary, consult applicable regulations or authorities before disposal.

**14. TRANSPORT INFORMATION**

**UD Number:** None  
**IMO Classification** None  
**ADR Classification** None  
**IATA Classification** None

**15. REGULATORY INFORMATION****CHEMICAL INVENTORIES**

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical-substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

The components of this product are in compliance with the chemical notification requirements of TSCA.

**311/312 Hazard Categories:**

Fire Hazard – No pressure Hazard – No Reactivity Hazard – No Immediate Hazard – Yes Delayed Hazard – No

**SC Labeling** None  
**Risk Phrases** None  
**Safety Phrases** None

**16. OTHER INFORMATION**

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. User is responsible for determining whether the Pullmelt 6 product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate Pullmelt 6 product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.