

# Safety Data Sheet according to 91/155/EEC

European Nail Factory

Revision date : 18.01.2006

Revision no. : 1,00

**PRIMER**

00642-0026

## 1. Identification of the substance/preparation and of the company/undertaking

### 1.1 Identification of the substance or preparation

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#### **Use of the substance/preparation**

Cosmetic

### 1.2 Company/undertaking identification

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## 2. Composition/information on ingredients

### **Chemical characterization** ( preparation )

Mixture of organic solvents

### **Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
201-204-4	79-41-4	2-methylpropenoic acid, methacrylic acid	50 - 55 %	Xn, C R21/22-35
204-658-1	123-86-4	n-butyl acetate	20 - 25 %	R10-66-67
202-615-1	97-88-1	n-butyl methacrylate	10 - 15 %	Xi R10-36/37/38-43
200-578-6	64-17-5	Ethanol	5 - 10 %	F R11

Full text of each relevant R phrase can be found in heading 16.

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## 3. Hazards identification

### **Classification**

Symbols : Corrosive

R-phrases :

Harmful in contact with skin and if swallowed.

Causes severe burns.

May cause sensitization by skin contact.

Vapours may cause drowsiness and dizziness.

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## 4. First aid measures

### **General information**

Remove contaminated soaked clothing immediately.

Call a physician immediately.

### **After inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of persistent symptoms receive medical treatment.

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#### **After contact with skin**

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

#### **After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

#### **After ingestion**

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

Never give anything by mouth to an unconscious person.

Summon a doctor immediately.

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## **5. Fire-fighting measures**

#### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

#### **Extinguishing media which must not be used for safety reasons**

Full water jet

#### **Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Fire may produce:

Carbon monoxide and carbon dioxide.

#### **Special protective equipment for fire-fighters**

In case of fire, wear suitable respiratory equipment with positive air supply.

Protective suit

#### **Additional information**

Cool containers at risk with water spray jet.

Backfire at a long distance is possible.

Heating will cause pressure rise with risk of bursting.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## **6. Accidental release measures**

#### **Personal precautions**

Use personal protective clothing.

Ensure adequate ventilation.

Keep away sources of ignition.

#### **Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

#### **Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

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## **7. Handling and storage**

### **7.1 Handling**

#### **Advice on safe handling**

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Keep container tightly closed.  
Handle and open container with care.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation, especially in confined areas.

#### Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

#### 7.2 Storage

##### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.  
Protect from light. Keep away from heat.  
Keep at temperatures above 15°C.

##### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI) : 8 A

## 8. Exposure controls/personal protection

### 8.1 Exposure limit values

#### Exposure limits (EH40)

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
	Butyl acetate	200	966		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
	Ethanol	-	-		STEL (15 min)	WEL
79-41-4	Methacrylic acid	20	72		TWA (8 h)	WEL
	Methacrylic acid	40	143		STEL (15 min)	WEL

### 8.2 Exposure controls

#### Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.  
Avoid contact with skin, eyes and clothing.  
Do not inhale vapours.  
When using, do not eat, drink or smoke.  
Remove and wash contaminated clothes before re-use.

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

#### Hand protection

Splash protection:

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) > 60 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.  
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

#### Eye protection

Tightly fitting goggles  
Eye wash bottle with pure water.

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### Skin protection

Long sleeved clothing.

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## 9. Physical and chemical properties

### 9.1 General information

Physical state : Liquid  
Colour : Clear, Colourless  
Odour : Pungent

### 9.2 Important health, safety and environmental information

	Test method
pH-Value :	2,0 - 2,2
<b>Changes in the physical state</b>	
Melting point :	15,8 °C
Boiling point :	161 °C
Flash point :	65 °C
<b>Flammability</b>	
Lower explosion limits :	n. d.
Ignition temperature :	n. d.
Density (at 20 °C) :	1,015 g/cm <sup>3</sup>
Water solubility :	Miscible
at (20 °C)	
Partition coefficient :	log Po/w = 0,97 (25°C)
Viscosity / dynamic :	1,4 mPa·s
at (20 °C)	

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## 10. Stability and reactivity

### Conditions to avoid

To avoid thermal decomposition, do not overheat.

Violent polymerisation possible.

### Materials to avoid

Strong oxidizing agents, reducing agents.

### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

### Additional information

No decomposition if stored and applied as directed.

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## 11. Toxicological information

### Acute toxicity

LD50/oral/rat: 2200 mg/kg

LD50/dermal/rabbit: 500 mg/kg

LC50/inhalativ/rat: 7100 mg/m<sup>3</sup>/4 h

### Empirical data on effects on humans

Causes severe burns.

May cause sensitization by skin contact.

Vapours may cause drowsiness and dizziness.

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Liver and renal damage is possible.

## **12. Ecological information**

### **Additional information**

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

A pH-change becomes possible in waters.

## **13. Disposal considerations**

### **Advice on disposal**

Can be landfilled after chemical and physical treatment, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

### **Waste disposal number of waste from residues/unused products :**

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors  
Classified as hazardous waste.

### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## **14. Transport information**

### **Land transport (ADR/RID)**

ADR/RID class :	8
Hazard-no. :	80
UN number :	1760
Hazard label :	8
ADR/RID packing group :	II

### **Description of the goods**

Corrosive liquid, n.o.s. (2-methylpropenoic acid, methacrylic acid, n-butyl methacrylate)

### **Remarks (land transport)**

LQ 22: combination packaging: 1 I / 30 kg (total gross mass); trays: 0,5 I / 20 kg (total gross mass).

### **Inland waterways transport**

#### **Marine transport**

IMDG code :	8
UN number :	1760
Marine pollutant :	No
EmS :	F-A; S-B
IMDG packing group :	II
Hazard label :	8

### **Description of the goods**

CORROSIVE LIQUID, N.O.S. (methacrylic acid, butyl methacrylate)

### **Remarks (marine transport)**

Limited quantities (chapter 3.4): combination packaging: 1 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass)

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#### Air transport

ICAO/IATA-DGR :	8
UN/ID number :	1760
Hazard label :	8
IATA-packing instructions - Passenger :	808
IATA-max. quantity - Passenger :	1 L
IATA-packing instructions - Cargo :	812
IATA-max. quantity - Cargo :	30 L
ICAO packing group :	II

#### **Description of the goods**

CORROSIVE LIQUID, N.O.S. (methacrylic acid, butyl methacrylate)

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## 15. Regulatory information

### 15.1 Labelling

Indication of danger : C - Corrosive

Labelling according to EC-guidelines : According to the EC hazardous substance regulations in compliance with the EC cosmetic product regulations this product must not be labelled as a hazardous substance.

According to ruling EC Directives the product must be labelled as hazardous substance as follows:

#### **Hazardous component(s) to be indicated on label**

2-methylpropenoic acid, methacrylic acid

n-butyl methacrylate

#### **R phrases :**

35 Causes severe burns.  
43 May cause sensitization by skin contact.  
67 Vapours may cause drowsiness and dizziness.  
21/22 Harmful in contact with skin and if swallowed.

#### **S phrases :**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 15.2 National regulations

Employment restrictions : Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class : 1 - slightly water contaminating

1999/13/EC (VOC) : 100 %

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## 16. Other information

### **List of relevant R phrases**

10 Flammable.  
11 Highly flammable.  
35 Causes severe burns.  
43 May cause sensitization by skin contact.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.  
21/22 Harmful in contact with skin and if swallowed.

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

**Other data**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*