



# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2010

V - 3

Revision: 28.09.2010

## 1 Identification of substance:

- **Product details:**
- **Trade name: Cramolin Thinner for Plastik**
- **Article number:** 401
- **Application of the substance / the preparation:** Thinner, Diluent
- **Manufacturer/Supplier:**  
ITW Chemische Produkte GmbH & Co. KG  
Mühlacker Str. 149  
D-75417 Mühlacker  
Tel: +49 7041 96340  
Fax: +49 7041 963429  
E-Mail: info@itwcp.de  
Internet: www.itwcp.de
- **Informing department:** Product safety department
- **Emergency information:**  
ITW Chemische Produkte GmbH & Co. KG  
Tel: +49 7041 96340    Mo - Do 8:00 - 16:30    Fr 8:00 - 14:00

## 2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.  
Has a narcotizing effect.  
R 10 Flammable.  
R 66 Repeated exposure may cause skin dryness or cracking.  
R 67 Vapours may cause drowsiness and dizziness.
- **Classification system**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

## 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Designation:**  
123-86-4 n-butyl acetate
- **EINECS Number:** 204-658-1
- **EC Number:** 607-025-00-1

## 4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness bring patient into stable side position for transport.

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- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Do not induce vomiting; instantly call for medical help.  
A person vomiting while lying on their back should be turned onto their side.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Formation of poisonous gases during heating or in fires.
- **Protective equipment:**  
Wear self-contained breathing apparatus.  
Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered containers with water spray jet.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources
- **Measures for environmental protection:**  
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **Additional information:** See Section 7 for information on safe handling

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** Store in cool, dry place in tightly closed containers.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.

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Protect from heat and direct sunlight.

### 8 Exposure controls and personal protection

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

- **Components with limit values that require monitoring at the workplace:**

#### 123-86-4 n-butyl acetate (50-100%)

WEL (Great Britain)	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals. Wash hands during breaks and at the end of the work.

- **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- **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.

- **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 safety glasses.

### 9 Physical and chemical properties:

- **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	colourless
<b>Odour:</b>	Ester-like

- **Change in condition**

**Melting point/Melting range:** -76.8°C

**Boiling point/Boiling range:** 127°C

- **Flash point:** 27°C

- **Ignition temperature:** 360°C

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- |   |   |
|---|---|
| · <b>Self-inflammability:</b>             | Product is not self igniting.   |
| · <b>Danger of explosion:</b>             | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |
| · <b>Critical values for explosion:</b>   |   |
| <b>Lower:</b>                             | 1.2 Vol %   |
| <b>Upper:</b>                             | 7.5 Vol %   |
| · <b>Vapour pressure at 20°C:</b>         | 12-21 hPa   |
| · <b>Density at 20°C</b>                  | 0.88 g/cm <sup>3</sup>  |
| · <b>Solubility in / Miscibility with</b> |   |
| <b>Water at 20°C:</b>                     | 5 g/l   |
| <b>Organic solvents:</b>                  | 100.0 %   |

### 10 Stability and reactivity

- **Thermal decomposition/ Conditions to be avoided:** Protect from heat and direct sunlight.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:**  
No dangerous products of decomposition if used and stored according to specifications.

### 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**123-86-4 n-butyl acetate**

Oral | LD50 | 14000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Frequent and/ or presistent contact with skin may cause skin irritation.
- **on the eye:** Slight irritant effect possible.
- **Sensitisation:** No sensitising effect known.

### 12 Ecological information:

- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.

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**· European waste catalogue**

14 06 03 other solvents and solvent mixtures

**· Uncleaned packagings:****· Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

**· Land transport ADR/RID (cross-border)**

- **ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.
- **Kemler Number:** 30
- **UN-Number:** 1123
- **Packaging group:** III
- **Label:** 3
- **Designation of goods:** 1123 BUTYL ACETATES

**· Maritime transport IMDG:**

- **IMDG Class:** 3
- **UN Number:** 1123
- **Label:** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Correct technical name:** BUTYL ACETATES

**· Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1123
- **Label:** 3
- **Packaging group:** III
- **Correct technical name:** BUTYL ACETATES

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### 15 Regulatory information

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

- **Risk phrases:**

10 Flammable.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

2 Keep out of the reach of children.

25 Avoid contact with eyes.

- **National regulations**

- **Water hazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

### 16 Other information:

Information is based on our current knowledge but does not establish a promise of product characteristics and does not substantiate any contractual legal relationship.

- **Contact:** ITW Chemische Produkte GmbH & Co. KG, D-75417 Mühlacker

- \* **Data compared to the previous version altered.** .

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