

EU-Safety Data Sheets relating 91/155/EEC number: 167-215

Home Nr.: 167-215 Revise at: 01.2010
Name of Cmrce. **cold model hardener**
Version: 1.5 Class of: 01.2010
Product no.: **167-215-00**
Code:

01. Identification of the Substance and of the Company

Product Definition

Name of Cmrce.: cold model hardener
Product-Infos: cold model hardener
Manufacturer: DENTAURUM GmbH & Co. KG
Turnstraße 31 D-75228 Ispringen

Information from

Emergency-Info: Chemie
07231-803-184/190

02. Composition/Information on Ingredients

Chemical Nature:
Synthetic resin in butylacetate

CAS: 123-86-4	EG: 607-025-00-1	UN: 1866	EINECS: 204-658-1
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Dangerous Contents:

CAS number/Description:	Concentration:	GS:	R Phrases:
123-86-4 butylacetate	45-55 %	F	10
64-17-5 ethanol	3-7 %	F	11

03. Hazards Identification

11 Highly flammable.

04. First-Aid Measures

- First aid measures / skin contact
In case of contact with skin wash off immediately with soap and water
- First aid measures / eye contact
In case of contact with eyes rinse thoroughly with water
Summon a doctor immediately.
- First aid measures/ if swallowed
Administer activated charcoal.
Do not induce vomiting.

05. Fire-fighting Measures

foam
dry powder
carbon dioxide

06. Accidental Release Measures

- environmental precautions
Do not discharge into the drains/surface waters/groundwater.
- methods for cleaning up/taking up
Take up with absorbent material (e.g. kieselguhr).
Dispose of absorbed material in accordance with the regulations.

07. Handling and Storage

- Advice on protection against fire and explosion
Keep away from sources of ignition
- Further information on storage conditions
Keep container tightly closed
Keep container in a well-ventilated place
Do not keep at temperatures above 30°C.

08. Exposure Controls/Personal Protection

- Respiratory protection
Breathing apparatus in the event of aerosol or mist formation.
- Hand protection
Gloves (solvent-resistant)
- Eye protection
goggles
- Hygiene measures
Clean skin thoroughly after work; apply skin cream.
Remove soiled or soaked clothing immediately.

Ingredients relating to Workplace-Limits to get supervised

CAS number/Description:	Concentration:	Typ:	Value:
123-86-4 butylacetate	-	MAK	480,000 mg/m ³ 100,000 ml/m ³
64-17-5 ethanol	-	MAK	1900,000 mg/m ³ 1000,000 ml/m ³

09. Physical and chemical Properties

- Form
Liquid
- Colour
brown
Transparent
- Odour
fruity
- pH-value n.a.
- Changes in physical state 1, solid - liquid and others
Melting point: -77°C
- Changes in physical state 2, liquid - gaseous and others
Boiling temperature: 126°C
- Flash point / remarks: 19°C
- Ignition temperature / remarks: 370°C
- Lower explosion limit / remarks: 1,2 Vol%
- Upper explosion limit / remarks: 7,5 Vol%
- Vapour pressure at T1 / remarks (20°C) 13 mbar
- Density / remarks (20°C) 0,95 g/cm³
- Solubility in water / remarks: insoluble

10. Stability and Reactivity

- Hazardous reactions
Reactions with alkali metals.
Formation of explosive gas/air mixtures.
Reactions with strong alkalies and oxidising agents.
- Hazardous decomposition products
Acetic acid

11. Toxicological Information

- Irritant effect on eyes / validation
irritant
- Experiences made in practice
When inhaled in larger quantities, the solvent apous cause a narcotic effect.

12. Ecological Information

- General information / ecology
Toxic to fish.

13. Disposal Considerations

- Disposal / product
In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste incineration plant
Waste code no. (only EC): 140603

14. Transport Information

- UN 1866
- Land transport / lorry / international / remarks
1866 Resin solution (contains butyl acetate)
- Land transport / rail / international / remarks
1866 Resin solution (contains butyl acetate)
- Marine transport / remarks
Proper shipping name: Resin solution
- Air transport / remarks
proper shipping name: Resin Solution

30	GGVS/E-Class:	3, II	AS-No.:	140603
1866	ADR/RID-Class:	3, II	Category:	
	ADNR-class:	3	EmS:	F-E, S-E
	IMDG/GGVSee-CI/Digit:	3, II	ICAO/IATA:	3
	MFAG:	310	PG:	II

15. Regulatory Information

- Labelling
The product is classified and labelled in accordance with EC directives/the relevant national laws.
Hazard symbols
- F Highly flammable
R phrases
- 11 Highly flammable.
S phrases
- 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).
- 29 Do not empty into drains.
- 33 Take precautionary measures against static discharges.
Water hazard class / remarks
Weakly water hazardous WGK 1



Highly flammable

16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the produkt.