

Safety Data Sheets

According to Annex II of REACH - Regulation (EU) 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product ID

Code A501010BPZEN
Product Name BD 88 2K Comp.B (A&B)

1.2. Identified uses of the substance or mixture that are relevant and uses that are not recommended

Application Description Hardener for epoxy-polyurethane glue.

Identified use	Michleni	Professional	User
Component B	✓	✓	✓

1.3. Details of the safety data sheet provider

Company Name	CHIMIVER PANSERI S.p.A.	Distributor : Ada Color Ltd.
Full address	Via Bergamo 1401	Ul. 176 Brezovsko Shose Street,
Location and country	24030 PONTIDA	4003 Plovdiv, Bulgaria
	ITALY	Mobile: +359896663052
	Wire. +39 035 795031	Tel: +35932940456
	Fax +39 035 795556	Fax +35932940457
		Web: adacolor-bg.com
email		
Responsible for the safety manual		
Use	msds@chimiver.com	

1.4. Emergency phone number

For urgent information, please contact General Hospital for Active Treatment and Emergency Medicine
"N.I.Pirogov"
Emergency phone / fax: +359 2 9154 233

SECTION 2. Hazard description

2.1. Classification of the substance or mixture

The product is classified as hazardous under the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and corrections). The product requires a safety data sheet in accordance with Regulation (EU) 2020/878.
Any additional information regarding health and/or environmental risks is noted in Sections 11 and 12.

Hazard classification and designation:

Eye irritation, category 2	H319	It causes serious eye irritation.
Skin irritation category 2	H315	Causes skin irritation. dermal sensitization,
category 1A	H317	May cause an allergic skin reaction.

2.2. Label elements

Hazard labelling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and corrections. Hazard

pictograms:



Signal words: Caution

Hazard Warnings:

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

A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 2. Hazard description ... / >>**

Safety recommendations:

P501	The contents/vessel should be disposed of in . . .
P102	Keep out of reach of children.
P280	Use protective gloves and eye/face protection.
P101	If medical attention is needed, carry the packaging or label of the product.
P261	Avoid inhaling dust/smoke/gas/smoke/fumes/aerosols.

Contains: Fatty acids, C18-unsaturated, polymers with fatty acids from tall oil and triethylenetetramine

2.3. Other hazards

Based on the available data, it is evident that the product does not contain PBT or vPvB substances at a rate \geq of 0,1%. The product does not contain substances with endocrine disrupting properties with a concentration \geq 0.1%.

SECTION 3. Ingredients/Ingredient Information**3.1. Substances**

Irrelevant information

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Fatty acids, C18-unsaturated, polymers with fatty acids from tall oil and triethylenetetramine	CASE 30 \leq x < 50	Eye Irritation. 2 H319, Skin Irritation. 2 H315, Skin Sens. 1A H317 EEC
INDEX		
2,4,6-TRI(DIMETHYL-AMINOMETHYL)PHENOL		
CASE 90-72-2	1 \leq x < 3	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EEC 202-013-9		STA Устен: 500 mg/kg
INDEX 603-069-00-0		
Reg. by REACH01-2119560597-27-XXXX		

The full text of hazard instructions (H) is in Section 16.

SECTION 4. First aid measures**4.1. Description of first aid measures**

EYES: Eliminate possible contact lenses. Wash immediately and thoroughly with water for at least 15 minutes, opening the eyelids well. If the problem persists, consult a doctor.

SKIN: Remove contaminated clothing. Rinse slowly and thoroughly with water. If irritation persists, consult a doctor. Before new use, dirty clothes should be washed.

INHALATION: Take the subject to fresh air. If breathing is difficult, call a doctor immediately.

INGESTION: Consult a doctor immediately. Induce vomiting only with a doctor's prescription. If the subject is unconscious or if there is no doctor's prescription, do not give anything oral.

4.2. The most significant acute symptoms and effects occurring after a certain period of time

No specific information is known about the symptoms and effects caused by the product.

4.3. Indication of the need for any emergency medical care and special treatment

No information available

SECTION 5. Fire prevention measures

5.1. Fire extinguishers

SUITABLE EXTINGUISHING AGENTS

The extinguishing agents are the traditional ones: carbon dioxide, foam, dust and nebulized water.

INAPPROPRIATE EXTINGUISHING AGENTS

None in particular.

5.2. Particular hazards arising from the substance or mixture

HAZARDS OF EXPOSURE TO SUCH A FIRE

Avoid inhalation of products resulting from ignition.

5.3. Tips for firefighters

BACKGROUND

Cool the dishes with a water jet to avoid degradation of the product and the formation of potentially hazardous substances. Always wear full protective firefighting equipment. Collect the water used to extinguish the fire, which should not be poured down the drain. The contaminated water used in extinguishing the fire and fire should be disposed of in accordance with the current regulations.

EQUIPPING

Normal firefighting clothing, such as one open-chain compressed air respirator (EN 137), fire kit (EN469), fire gloves (EN 659) and firefighting boots (HO A29 or A30).

SECTION 6. Emergency release measures

6.1. Personal precautions, protective equipment and emergency procedures

In the absence of danger, stop the source of leakage or spillage of the product.

Use appropriate protective equipment (including personal protective equipment specified in Section 8 of the Safety Data Sheet) to avoid contact with skin and eyes and contamination of personal clothing. These guidelines apply to both product handlers and emergency interventions.

6.2. Precautions to protect the environment

Do not allow the product to enter sewers, surface waters, groundwater.

6.3. Methods and materials for restraint and cleaning

Aspirate the leaked product in a suitable container. Assess the compatibility of the container to be used for the product by checking Section 10. Absorb the substrates with absorbent inert material.

Carry out the necessary ventilation of the room where the product was spilled. The disposal of the contaminated material must be carried out in accordance with the provisions in item 13.

6.4. Reference to other sections

Any information regarding personal protective equipment and waste disposal is given in Sections 8 and 13.

SECTION 7. Operation and storage

7.1. Precautions for safe operation

Operate the product only after you have read all other sections of this safety cardboard. Avoid spraying the product into the environment. Do not eat, drink or smoke during the use of the product. Remove contaminated clothing and protective equipment before going to the dining areas.

7.2. Safe storage conditions, including incompatibilities

Store only in the original containers. Store in closed containers, in a well-ventilated place, away from direct sunlight. Containers should be stored away from possibly incompatible materials, consult section 10.

7.3. Specific end-use(s)

No information available

SECTION 8. Exposure control/personal protective equipment**8.1. Control parameters****2,4,6-TRI(DIMETHYL-AMINOMETHYL)PHENOL****Intended concentration at which there is no environmental impact - PNEC**

Reference value in freshwater	0,046	mg/L
Reference value in seawater	0,005	mg/L
Reference value for freshwater sedimentation	0,262	mg/kg/day
Reference value for seawater sedimentation	0,026	mg/kg/day
Reference value for water, intermittent release	VND	
Reference value for STP micro-organisms	0,2	mg/L
Food chain reference value (secondary poisoning)	NEA	
Land reference value	0,025	mg/kg/day
Atmospheric reference value	NPI	

Health - Derived level without impact - DNEL / DMEL

Method of exposure	Impact on consumers		Impact on workers					
	Local systems	Systems acutely	Local chronic	Systems chronic	Local acutely	Systems acutely	Local chronic	Acute chronic
Orally		NPI		0,075 mg/kg body weight/day				
Inhalation		0,13 mg/m3		0,13 mg/m3		2,1 mg/m3		0,53 mg/m3
Skin		0,075 mg/kg		0,075 mg/kg		0,6 mg/kg		0,15 mg/kg
		Body weight/day		Body weight/day		Body Weight/day		Body weight/day

VND = identified hazard, but no DNEL/PNEC room; NEA = no expected discharge; NPI = any particular hazard ; LOW = low danger ; MED = medium hazard ; HIGH = high danger.

8.2. Exposure control

Given that the use of appropriate technical measures should always take precedence over the use of personal protective equipment, ensure good ventilation in the workplace through efficient local aspiration.

When choosing personal protective equipment, ask for advice from your chemical suppliers. Personal protective equipment must bear the CE marking, which certifies that it complies with the standards in force.

Provide an emergency shower with an eye wash bath. HAND

PROTECTION

Protect hands with category III work gloves.

When choosing a material for work gloves (see EN 374 standard), the following must be taken into account: compatibility, degradation, breakage time and penetration.

In the case of handling detergents, the durability of the work gloves must be checked before use, as it cannot be predicted. Gloves have a wear time, which depends on the duration and how they are used.

SKIN PROTECTION

Wear long-sleeved work clothes and protective shoes for professional use of category II (according to Regulation 2016/425 and EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

The use of airtight safety glasses is recommended (see standard EN 166).

RESPIRATORY PROTECTION

In case of exceeding the threshold value (e.g. TLV-TWA) of the substance or of one or more substances present in the product, we advise the use of a mask with a type A filter, the class (1, 2 or 3) of which must be selected depending on the limit concentration of use. (see standard EN 14387). In case there are gases or vapors of different nature and/or gases or vapors with particles (aerosol, smoke, fogs, etc.), it is necessary to use combined filters.

The use of respiratory protective equipment is necessary in case the technical measures taken are not sufficient to limit the worker's exposure to the threshold values taken into account. The protection provided by the masks is limited.

In the event that the substance in question is odourless or its olfactive threshold is greater than the corresponding TLV-TWA, and in the event of an emergency, insert an open-circuit self-contained compressed air breathing apparatus (see EN 137) or an external air intake breathing apparatus (see EN 138). For the right choice of respiratory protective equipment, refer to EN 529.

ENVIRONMENTAL EXPOSURE VERIFICATION

A501010BPZEN - BD 88 2K Comp.B (A&B)

Emissions from manufacturing processes, including those from ventilation systems, must be controlled in order to comply with environmental regulations.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Properties	Value	Information
Physical aspect	Paste	
Colour	Varies	
Smell	Typical	
Melting point / freezing point	Missing	Reason for missing data:Date not available
Boiling point	Missing	Reason for missing data:Date not available
Zapalimost	Missing	Reason for missing data:Date not available
Lower Limit Explosion	Missing	Reason for missing data:Date not available
Upper limit explosion	Missing	Reason for missing data:Date not available
Ignition point	60 °C	Reason for missing data:The date is not Available
Self-ignition temperature	Missing	Reason for missing data:Date not available
Decay temperature	Missing	Reason for missing data:Date not available
pH	Missing	Reason about Missing data: substance/mixture is non-polar/aprotic (e.g.: a mixture of organic solvents)
Kinematic viscosity	10000 - 13000 mm ² /s	
Dynamic viscosity	15000 - 12000 CPS	
Solubility	Missing	Reason for missing data:Date not available
Distribution coefficient: n-octanol/water	Missing	Reason for missing data:Date not available
Vapor pressure	Missing	Reason for missing data:Date not available
Density and/or relative density	1,5 kg/l	
Relative Density of Money	Missing	Reason for missing data:Date not available
Characteristics of particles	Not applicable	

9.2. Other information

9.2.1. Information on physical hazard classes No information

available

9.2.2. Other safety features

VOC (Directive 2010/75/EC)	4,97 % - 74,58	gram/liter
VOC (Volatile Carbon)	3,37 % - 50,58	gram/liter

SECTION 10. Stability and reactivity**10.1. Reactivity**

Under normal conditions of use, there are no particular dangers of reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of dangerous reactions

A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 10. Stability and reactivity ... / >>**

Under normal conditions of use and storage, no dangerous reactions are foreseen.

10.4. Conditions to avoid

Not one in particular. Use the usual caution when handling chemical products.

10.5. Incompatible materials

No information available

10.6. Hazardous decay products

No information available

SECTION 11. Toxicological information

In the absence of experimental toxicological data for the product itself, possible health hazards from the product were assessed on the basis of the properties of the substances contained, according to the classification criteria provided for by the reference standard. Therefore, take into account the concentration of the individual hazardous substances possibly cited in Section 3 for the assessment of the toxicological effects resulting from exposure to the product.

11.1. Information on the hazard classes set out in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information No information
available

Information on likely routes of exposure No information
available

Immediate effects occurring after a certain period of time, as well as chronic consequences of short-term and long-term exposure
No information available

Interactions

No information available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Unclassified (no significant component)
ATE (oral) of the mixture:	>2000 mg/kg
ATE (Leather) of the mixture:	Unclassified (no significant component)

2,4,6-TRI(DIMETHYL-AMINOMETHYL)PHENOL
LD50 (Usten):
STA (Usten):

2169 mg/kg
500 mg/kg grade from Table 3.1.2 of Annex I of CLP
(graph used to calculate the acute toxicity assessment of the mixture)

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye irritation

SENSITISATION OF THE RESPIRATORY TRACT OR SKIN

Increases skin sensitivity Respiratory

sensitization

No information available



A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 11. Toxicological information ... / >>**Dermal sensitization No

information available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class CARCINOGENICITY

Does not meet the classification criteria for this hazard class REPRODUCTIVE

TOXICITY

Does not meet the classification criteria for this hazard class Harmful effects

on sexual function and fertility No information available

Harmful effects on the development of offspring No

information available

Effects on or through lactation No

information available

SPECIFIC ORGAN TOXICITY - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class Certain bodies

No information available

Method of exposure

No information availableSPECIFIC ORGAN TOXICITY - REPEATED EXPOSUREDoes not meet the classification criteria for this hazard class Certain bodies

No information available

Method of exposure

No information available

INHALATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances included in the main European lists of potential or suspected endocrine disruptors affecting human health that are under evaluation.

SECTION 12. Environmental information

To be used, according to normal working practice, avoiding the disposal of the product into the environment. Notify the competent authorities in case the product reaches water sources or if it has contaminated the soil and/or vegetation.

12.1. Toxicity

A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 12. Environmental information ... / >>**

2,4,6-TRI(DIMETHYL-AMINOMETHYL)PHENOL	
LC50 - Pisces	100 mg/l/96 ч
EC50 - Crustaceans	100 mg/l/48 ч
EC50 - Algae / Aquatic Plants	46.7 mg/l/72 ч

12.2. Durability and degradability

2,4,6-TRI(DIMETHYL-AMINOMETHYL)PHENOL
It is NOT quickly degradable

Fatty acids, C18-unsaturated, polymers with fatty acids from tall oil and triethylenetetramine is NOT rapidly degradable

12.3. Bioaccumulative capacity

No information available

12.4. Soil Portability

No information available

12.5. PBT and vPvB assessment results

Based on the available data, it is evident that the product does not contain PBT or vPvB substances at a rate \geq of 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances included in the main European lists of potential or suspected endocrine disruptors affecting the environment that are under evaluation.

12.7. Other adverse effects

No information available

SECTION 13. Waste disposal**13.1. Waste treatment methods**

If possible, reuse. Product residues should be considered as special and hazardous waste materials. The degree of hazard of the waste of this product must be assessed on the basis of the current legal regulations.

The disposal of the product must be undertaken by a specialized company authorized to handle waste materials in accordance with national and local regulations.

SOILED PACKAGING

Contaminated packaging should be sent for recycling or disposal in accordance with national waste material treatment regulations.

SECTION 14. Transport information

The product is not considered dangerous according to the regulations in force regarding the road (A.D.R.), rail (RID), sea (IMDG) and air (IATA) transport of dangerous goods.

14.1. UN List Number or Identification Number

Not applicable

14.2. Exact name of the consignment on the UN list

Not applicable

A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 14. Transport information**

... / >>

14.3. Transport hazard class(s)

Not applicable

14.4. Packaging Group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for consumers

Not applicable

14.7. Maritime transport of bulk cargo according to International Maritime Organization instruments

Irrelevant information

SECTION 15. Regulatory information**15.1. Substance- or mixture-specific safety, health and environmental legislation/legislation**

Seveso Category - Directive 2012/18/EC: Any

Restrictions on the product or on the substances contained, according to Annex XVII Regulation (EC) 1907/2006 Product

Point 3

Substances contained

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable

Substances in Candidate Lis (Art. 59 REACH)

Based on the available data, it appears that the product does not contain SVHC substances at a rate \geq of 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to export notification obligation Regulation (EC) 649/2012:

Any

Substances subject to the Rotterdam Convention:

Any

Substances subject to the Stockholm Convention None

Sanitary checks

Workers who are exposed to this chemical product hazardous to health should not be subjected to medical supervision in cases where it is demonstrated that the risks to their safety and health are limited and that the measures provided for in Directive 98/24/EC are sufficient to reduce such a risk.

15.2. Safety assessment of a chemical substance or mixture

No safety assessment of the preparation/substances referred to in section 3 has been carried out.



A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 16. Other information**

The text with the instructions for (H) quoted in sections 2-3 of the map:

Acute Tox. 4	Acute toxicity, category 4
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation category 2
Skin Sens. 1A	dermal sensitization, category 1A
H302	Harmful if ingested.
H319	It causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

LEGEND:

- ADR: European Agreement on the Transport of Dangerous Goods by Road.
- CAS: Номер на Chemical Abstract Service
- CE50: Concentration that affects 50% of the population to be tested
- CE: ESIS (European Archive of Existing Substances) identification number
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived level without impact
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of Classification and Labelling of Chemical Products
- IATA DGR: International Air Transport Association Dangerous Goods Regulations
- IC50: Concentration of immobilization of 50% of the population to be tested
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Professional Exposure Degree
- OOT: Acute toxicity assessment
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Foreseeable concentration in the environment
- PEL: Predictable Exposure Level
- PNEC: Predictable concentration without consequences
- REACH: Regulation (EC) 1907/2006
- RID: Regulations for the International Transport of Dangerous Goods by Train
- TLV: Cut-off value
- TLV MAXIMUM VALUE: Concentration that should not be passed at any point during exposure during operation.
- TWA: Weighted Average Exposure Limit
- TWA STEL: Short-Term Exposure Limit
- VOC: Volatile Organic Compound
- vPvB: Very persistent and highly bioaccumulative according to REACH
- WGK: Water hazard classes (Germany).

MAIN BIBLIOGRAPHY:

1. European Parliament Regulation (EC) 1907/2006 (REACH)
2. European Parliament Regulation (EC) No 1272/2008 (CLP)
3. Regulation (EU) 2020/878 (Annex II to the REACH Regulation)
4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) No 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Rules (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. European Parliament Regulation (EU) 2016/918 (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)



A501010BPZEN - BD 88 2K Comp.B (A&B)**SECTION 16. Other information ... / >>**

21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Toxicological sheet
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- Веб сайт IFA GESTIS
- Website ECHA Agency
- SDS Model Database for Chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note to the user:

The information contained in this manual is based on knowledge we have up to the date of the latest version. The user must be convinced of the accuracy and completeness of the information depending on the type of use of the product. This document should not be considered as a guarantee regarding the specific properties of the product.

As the use of the product is not under our direct control, the User is obliged to comply at his own risk with the Law and the current regulations in relation to hygiene and safety. No responsibility is taken for improper use of the product.

Provide appropriate information for personnel working on the use of chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and Physical Hazards: Product classification is based on criteria established by the Classification, Labelling and Packaging (CLP) Regulation, Annex I, Part 2. The data for the assessment of chemical and physical properties are referred to in Article 9.

Health hazards: The classification of the product shall be based on calculation methods according to Annex I of CLP, Part 3, unless otherwise specified in Section 11.

Environmental hazards: The classification of the product shall be based on calculation methods according to Annex I of CLP, Part 4, unless otherwise specified in Section 12.

Changes compared to the previous edition:

Changes have been made in the following parts:

02 / 03 / 08 / 09 / 11 / 12.

