



Date of issue: 15.02.2006 Replaces Data Sheet of : ---

*** alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

1 Identification of Substance / Preparation and Company

1.1 Identification of Substance or Preparation

Trade Name : R410- Komponente B

Article No. : n. av.

Preparation No. : n. av.

1.2 Use of the substance / preparation:

Primer

1.3 Company / Supplier Identification

1.3.1 Address of the Company / Supplier:

Bona GmbH, Jahnstraße 12, D - 65549 Limburg

Telephone : +49-6431-4008-0, Fax : +49-6431-4008-25

1.3.2 Responsible :

Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf

1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning

Telephone : +49 - 761 - 19 240

Emergency - Telephone of Company / Undertaking

Telephone : +49-6431-4008-0

2 Composition / Information on Ingredients

2.1 Chemical Characterisation:

Mixture of synthetic resin and additives

2.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
100-51-6	603-057-00-5	202-859-9	Benzenemethanol	25 - 50%	Xn	R 20/22
2855-13-2	612-067-00-9	220-666-8	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-	10 - 25%	C	R 21/22-34-43-52/53
1477-55-0	n. av.	216-032-5	1,3-Benzenedimethanamine	2,5 - 10%	C	R 20/21/22-34-43-52/53

Remarks: Classification and labelling of a product is indicated under item 15.

3 Hazards Identification

3.1 For Humans (additional information is given under item 11) :

Harmful by inhalation and if swallowed. Causes burns.

May cause sensitization by skin contact.

3.2 For the Environment :

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3.3 For Materials:

Do not use containers made of .Plastics material.

4 First Aid Measures

4.1 Inhalation:

Move out of dangerous area.

Move to fresh air. If symptoms persist, call a physician.

4.2 Skin Contact :

Wash off with soap and water.

If symptoms persist, call a physician.

4.3 Eye Contact :

Rinse immediately with plenty of water, also under the eyelids.

Call a physician immediately.

4.4 Ingestion :

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.

Consult a physician if necessary.

4.5 Note to Physician:

Treat symptomatically.

Risk of product entering the lungs on vomiting after ingestion.

4.6 Special Equipment:

n. av.

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- 5.1 **Suitable Extinguishing Media** : use dry chemical, CO₂, water spray or "alcohol" foam
- 5.2 **Extinguishing Media to Avoid** : high volume water jet
- 5.3 **Fire and Explosion Hazards** :
In the event of fire nitrogen oxides (NO_x), carbon oxides may be formed. Burning produces irritant fumes.
- 5.4 **Additional Information** : In the event of fire, cool tanks with water spray.
- 5.5 **Special Protective Equipment** :
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.

6 Accidental Release Measures

- 6.1 **Personal Precautions** :
See No. 8.3 Personal Protective Equipment. Ensure adequate ventilation.
- 6.2 **Environmental Precautions and Methods for Cleaning up** :
Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.
Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material.
- 6.3 **Further Information** : None.

7 Handling and Storage (For national regulations refer to item 15.2)

- 7.1 **Handling**
- 7.1.1 **Precautions for Safe Handling** :
Keep at temperature not exceeding 40°C. Use only in well-ventilated areas. Keep container tightly closed.
- 7.1.2 **Precautions in Case of Fire and Explosion** :
No special precautions required.
- 7.2 **Storage**
- 7.2.1 **Storage Instructions** :
Keep in a dry, cool place.
- 7.2.2 **Store away from** :
Do not store together with oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions** :
Keep in a well-ventilated place.

8 Exposure Controls and Personal Protection

- 8.1 **Information on System Design** :
Provide sufficient air exchange and/or exhaust in work rooms. Provide personal protective equipment.
- 8.2 **Exposure Limits:**
- 8.2.1 **Material** **Limit Value :**
1,3-Benzenedimethanamine OEL 0,1 mg/m³
- 8.3 **Personal Protective Equipment**
- 8.3.1 **General Protection and Hygiene** :
Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke.
Take off all contaminated clothing immediately.
- 8.3.2 **Respiratory Protection** : In case of insufficient ventilation wear suitable respiratory equipment. Short term only Filter A
- 8.3.3 **Hand Protection** : protective gloves (Viton, Permeationszeit > 120 min.)
- 8.3.4 **Eye Protection** : tightly fitting safety goggles
- 8.3.5 **Skin Protection** : protective suit
- 8.3.6 **Further Information** : Refer to special restrictions in wearing protective equipment

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9 Physical and Chemical Properties**9.1 Appearance**9.1.1 **Form** : liquid 9.1.2 **Colour** : light yellow 9.1.3 **Odour** : amine-like**9.2 Safety Relevant Data**

9.2.1 pH-value, undiluted : n. av., pH-value, 1% aqueous solution : n. av.
 9.2.2 Boiling point / Boiling - range (°C) : > 200, Melting point / Melting range (°C) : n. av.
 9.2.3 Flash point (°C, c.c.) : > 100
 9.2.4 Flammability (EEC A10/A13) : n. av.
 9.2.5 Ignition temperature (°C) : 380
 9.2.6 Autoflammability (EEC A16) : n. av.
 9.2.7 Oxidising properties : None.
 9.2.8 Explosion hazard : None.
 9.2.9 Explosion limits (Vol.%) lower : 1,2, upper : 13
 9.2.10 Vapour pressure : n. av.
 9.2.11 Density (g/ml) : 1,03
 9.2.12 Solubility (in Water) : partly miscible
 9.2.13 Partition coefficient, n-Octanol/Water : n. av.
 9.2.14 Viscosity : 190 mPa*s
 9.2.15 Solvent separation test : n. av.
 9.2.16 Solvent content (m %) : n. av.

9.3 Further Data

9.3.1 Thermal decomposition (°C) : n. av.
 9.3.2 Vapour density (Air = 1) : n. av.
 9.3.3 Evaporation rate : n. av.

10 Stability and Reactivity**10.1 Conditions to Avoid :**

Heat, flames and sparks.

10.2 Materials to Avoid :

amines, alkaline metals, strong acids and oxidizing agents

10.3 Hazardous Decomposition Products :

No decomposition if used as directed.

10.4 Further Information :

None.

11 Toxicological Information**11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**

Inhalation, LC₅₀ rat, (mg/l/4h) : n. av.
 Ingestion, LD₅₀ rat, (mg/kg) : n. av.
 Skin - contact, LD₅₀ rat, (mg/kg) : n. av.
 Irritation (to skin / eye) : Causes burns.
 Sensitisation : May cause sensitization by skin contact.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : n. av.
 Mutagenicity : n. av.
 Teratogenicity : n. av.
 Narcotic Effects : None.

11.2 Practical Experience**11.2.1 Observations relevant for classification :**

None.

11.2.2 Further Observations :

None.

11.3 General Remarks :

Classification of the preparation has been done by calculation in accordance with EEC directives.

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Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Behaviour in Sewage Works :

Mobility and Accumulation Potential : n.av.

12.3 Elimination (Persistence and Degradability) :

The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

12.4 Other Ecological Information

12.4.1 COD-Value, mg/g : n. av.

12.4.2 BOD₅-Value, mg/g : n. av.

12.4.3 AOX-Remarks : n. av.

12.4.4 Significant Components : 3-Aminomethyl-3,5,5-trimethyl-cyclohexylamin

12.4.5 Other adverse effects : None.

13 Disposal Considerations (For national Regulations refer to item 15.)**13.1 Residues**

13.1.1 Recommendation : D 10 / R 2 Waste - Code - No. : 08 04 10

In addition comply with the regional authorities.

13.1.2 Safe Handling: See item 7 and 15.

13.2 Contaminated Packaging

13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling : As described under Residues.

14 Transport Information**14.1 Transportation by Road or Railway according to ADR and RID****Remarks :**

Class : 8

Classification Code : C7

Packing Group : III

Hazard-No. : 80

UN-No. : 2735

14.1.1 Instruction Concerning Shipper's Declaration and Packaging :**Volume or Mass****Name and Description****Risklabel Packing - Code or instruction**max. 3 l inner packing,
30 kg per shipping piece
10 l, MetalUN 2735 Amines liquid, corrosive, n.o.s. (contains
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl)
UN 2735 Amines liquid, corrosive, n.o.s. (contains
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl)

n. ap.

--/4G

8

0A1/Z

14.2 Classification for Transportation by Inland-Navigation according to ADNO**Remarks : Classification has not been done.**

Class : Division : Category :

14.2.1 Description of Goods :**14.2.2 Remarks :****14.3 Classification for Transportation by Vessels according to IMDG****Remarks :**

Class : 8

UN-No. : 2735

Packing Group : III

14.3.1 **EmS-No. :** F-E, S-B14.3.2 **Marine Pollutant :** Yes.**14.3.3 Instruction for Declaration and Labelling :**

(Packing sizes with possible exemptions not considered)

Proper Shipping Name : Amines liquid, corrosive, n.o.s. (contains Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl)**Risk Label :** Corrosive14.3.4 **Remarks :** None.

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Class : 8 UN-No. : 2735 Packing Group : III

14.4.1 Instruction for Declaration and Labelling :

(Packing sizes with possible exemptions not considered)

Proper Shipping Name : Amines liquid, corrosive, n.o.s. (contains Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl)**Risk Label :** Corrosive

Packing Instructions, Passenger : 818 Cargo : 820

14.4.2 Remarks : None.**15 Regulatory Information****15.1 Classification according to EEC-Regulations :**

Classification required by EEC : Yes.

Applicable Exemptions : No.

Hazard Identification : Corrosive

Hazard Symbol(s) :

Component(s) : Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-,
1,3-Benzenedimethanamine**R-Phrases :**

R20/22 - Harmful by inhalation and if swallowed.

R34 - Causes burns.

R43 - May cause sensitization by skin contact.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrases :

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty of soap and water.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Additional Markings :

15.1.1 The above mentioned labelling is valid for distribution to professional use.

Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

15.2 National Regulations

VOC-Content: n.av.

16 Other Information**Text of R phrases mentioned in Section 2**

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R 20/22 Harmful by inhalation and if swallowed.

R 21/22: Harmful in contact with skin and if swallowed.

R 34: Causes burns.

R 43: May cause sensitization by skin contact.

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This Material Safety Data Sheet relates to 2001/58/EEC and TRGS 220.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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Receipt of Data : 27.01.2006, \$bona120phrasneu