

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

**Product identifier**

**Name of product** BM-5000 RMA

**Name of product**

**Identified uses**

**Product categories [PC]**

Fluxes

**Effect of the substance / the mixture**

**Distributor**

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**Advice**

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**E-mail (competent person)**

**Manufacturer**

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**Phone**

## 2. Hazards identification

### 2. Hazards identification

**Classification according to 67/548/EEC or 1999/45/EC**

F; R11

Xi; R36/37/38

**R-phrases**

11

Highly flammable.

36/37/38

Irritating to eyes, respiratory system and skin.

**Additional hints**

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS02



GHS07



GHS08

**Signal word**

Danger

**Hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**Hazard statements for health hazards**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statements****Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P242 Use only non-sparking tools.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

**Other hazards****Adverse physicochemical effects**

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

**Adverse human health effects and symptoms**

May cause sensitization in susceptible people.

**Other adverse effects**

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.  
Process vapours can irritate airways, skin and eyes.

**Information pertaining to special dangers for human and environment**

Highly flammable.  
Harmful by inhalation, in contact with skin and if swallowed.  
Irritating to eyes, respiratory system and skin.  
Contact with combustible material may cause fire.

**3. Composition/information on ingredients****REACH registration number****Hazardous ingredients**

| CAS No    | EC No     | Name        | [% weight] | Classification according to 67/548/EEC |
|-----------|-----------|-------------|------------|--|
| 67-63-0   | 200-661-7 | propan-2-ol | 70 - 75    | F R11; Xi R36; R67                     |
| 8050-09-7 | 232-475-7 | colophony   | 25 - 30    | R43                                    |

**4. First aid measures****General information**

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
If intensive inhalation of fumes seek medical treatment immediately.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

Eye rinsing with water carefully while protecting unhurt eye.  
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

Induce the patient to vomit by him self only if fully conscious.  
If swallowed by mistake drink plenty of water and seek medical treatment.  
Rinse out mouth thoroughly with water.

**5. Firefighting measures****Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
sand

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

water

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**Special hazards arising from the substance or mixture**

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Under certain fire conditions traces of other toxic substances cannot be excluded.

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

**Additional information**

Cool endangered containers with water spray jet.

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**

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

**Environmental precautions**

Do not seep away runed out product into ground or body of water.

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

Do not discharge into the subsoil/soil.

**Methods for cleaning up**

Clean contaminated objects and floor thoroughly under consideration of environment regulations.

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. sand).

Cleaning measures with respiratory protection.

After taking up the material dispose according to regulation.

**Additional Information**

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.

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**7. Handling and storage**

**Advice on safe handling**

In case of free handling thoroughly sucking off vapours is necessary.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Open and handle container with care!

Use only in well-ventilated areas.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking

The product is easy combustible.

**Requirements for storage rooms and vessels**

Keep in closed original container.

Ventilate store-rooms thoroughly.

**Advice on storage compatibility**

Store at cool and aired place and at distance to acids, alkalies and combustile materials.

**Further information on storage conditions**

Keep container tightly closed, store at cool and aired place, open and handle carefully.

**Information on storage stability**

Storage time: 12 months.

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**8. Exposure controls/personal protection****Respiratory protection**

If ventilation insufficient, wear respiratory protection.

In case of insufficient ventilation or long-term effect use breathing apparatus.

Breathing apparatus

**Hand protection**

PVC gloves

Neoprene gloves

**Eye protection**

safety goggles, in case of increased risk add protective face shield

tightly fitting goggles

**Skin protection**

protective clothing

**General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

**Hygiene measures**

At work do not eat, drink, smoke or take drugs.

Remove soiled or soaked clothing immediately.

Wash hands and skin before breaks and after work.

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**9. Physical and chemical properties****Form**

liquid

**Colour**

pale orange

**Odour**

alcoholic

**Important health, safety and environmental information**

|  | Value          | Temperature | at | Method | Remark |
|--|----------------|-------------|----|--------|--------|
| <b>Changes in physical state solid/fluid</b> | not determined |             |    |        |        |
| <b>Flash point</b>                           | > 120 °C       |             |    |        |        |
| <b>Ignition temperature</b>                  | not determined |             |    |        |        |
| <b>Lower explosion limit</b>                 | not determined |             |    |        |        |
| <b>Upper explosion limit</b>                 | > 1 Vol-%      |             |    |        |        |

|                              | Value          | Temperature | at | Method | Remark |
|------------------------------|----------------|-------------|----|--------|--------|
| <b>Vapour pressure</b>       | 0,01 mbar      | 20 °C       |    |        |        |
| <b>Density</b>               | 0,925 g/cm3    | 20 °C       |    |        |        |
| <b>Bulk density</b>          | not determined |             |    |        |        |
| <b>Rel. vapour density</b>   | not determined |             |    |        |        |
| <b>Viscosity</b>             | not determined |             |    |        |        |
| <b>Solvent concentration</b> | ca. 73 %       |             |    |        |        |
| <b>Solids content</b>        | 27 %           |             |    |        |        |

**Additional information****10. Stability and reactivity****Conditions to avoid**

Reactions with acids and strong oxidising agents.

**Materials to avoid**

Reactions with strong oxidising agents.

**Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**11. Toxicological information****Acute toxicity/Irritability/Sensitization**

|                              | Value/Validation                       | Species | Method | Remark |
|------------------------------|--|---------|--------|--------|
| <b>LD50 acute oral</b>       | 50 - 2000 mg/kg                        |         |        |        |
| <b>LC50 acute inhalation</b> | 5 - 50 mg/l ()                         |         |        |        |
| <b>Irritability skin</b>     | irritant                               |         |        |        |
| <b>Irritability eye</b>      | irritant - risk of strong eye injuries |         |        |        |
| <b>Skin sensitization</b>    | sensitizing                            |         |        |        |

**Additional information**

Toxicological data refer to solvent.

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**12. Ecological information****12. Ecological information****Data on elimination (persistence and degradability)****Data on elimination (persistence and degradability)**

| Elimination rate | Method of analysis | Method | Validation         |
|------------------|--------------------|--------|--------------------|
|                  |                    |        | readily degradable |

**Biological degradability****Degradability according to WRMG****Mobility and bioaccumulative potential****Mobility and bioaccumulative potential****Mobility and bioaccumulative potential****General regulation**

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

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**13. Disposal considerations****Waste code No.**

14 06 03\*

**Name of waste**

other solvents and solvent mixtures

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

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.

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**14. Transport information****Land and inland navigation transport ADR/RID**

UN 1219 Propan-2-ol (propan-2-ol), 3, II, Classification code: 3

**Marine transport IMDG**

UN 1219 Propan-2-ol (propan-2-ol), 3, II

**Air transport ICAO/IATA-DGR**

UN 1219 Propan-2-ol (propan-2-ol), 3, II

**Transport/further information**

Regulations concerning free quantities are to be observed.

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**15. Regulatory information**

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**Chemical Safety Assessment**

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**16. Other information**

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the 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 product.

**Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)**

- R 11 Highly flammable.
- R 36 Irritating to eyes.
- R 43 May cause sensitisation by skin contact.
- R 67 Vapours may cause drowsiness and dizziness.