



# M.M.C. International B.V.

## MSDS – Material Safety Data Sheet

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

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#### 1.1 Product identifiers

Product name : BMK/PMK Test  
 Product number : BMKPMK0270  
 Brand : MMC International

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

Company : M.M.C. International B.V.  
 Frankenthalerstraat 16-18  
 4816KA Breda  
 The Netherlands  
 Telephone : +31 76-5711140  
 Fax : +31 76-5719300  
 E-mail address : Info@mmcinter.com

#### 1.4 Emergency telephone number

Emergency Phone # : 112

### 2. Hazards identification

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#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Oxidizing liquids (category 3), H272  
 Acute toxicity, inhalation (category 3), H331  
 Acute toxicity, dermal (category 3), H311  
 Skin Corrosion (category 1A), H314

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Oxidizing. Causes burns. Harmful in contact with skin and if swallowed. Very toxic

#### 2.2 Label elements

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

Hazard statement(s)

H272 May intensify fire; oxidiser.  
 H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

P220 Keep/Store away from clothing/ combustible materials.  
 P280 Wear protective gloves/ protective clothing/ eye/face protection.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/ physician.



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### Supplemental Hazard Statements

#### R-phrase(s)

R 8 Contact with combustible material may cause fire.  
R35 Causes severe burns.

#### S-phrase(s)

S23 Do not breathe gas/fumes/vapour/spray  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
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).

### 2.3 Other hazards - none

## 3. Composition/information on ingredients

### 3.1 Mixture:

Component	CAS-No.	Concentration
Nitric Acid	7697-37-2	95-100%

## 4. First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Get medical attention.

#### In case of skin contact

Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

#### In case of eye contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

#### If swallowed

DO NOT induce vomiting. If victim is conscious and alert, give large quantities of water. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available



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### 5. Firefighting measures

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#### 5.1 Extinguishing media

Use water spray

#### 5.2 Special hazards arising from the substance or mixture

Organic materials may ignite spontaneously or have a greatly increased flammability

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting and protective clothing.

#### 5.4 Further information

Use water spray to cool unopened containers

### 6. Accidental release measures

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#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear vapor respirator, safety goggles, and rubber gloves. Ventilate spill site after collection.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (sodium bicarbonate, soda ash, or slaked lime recommended; do not use flammable substances such as sawdust). Flush spill with plenty of water. Dispose according to local, state, and federal regulations.

### 7. Handling and storage

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#### 7.1 Precautions to be Taken:

Keep in tightly closed container. Keep cool and dry. Prevent from freezing. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Do not ingest or inhale. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

#### 7.2 Other Precautions:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

### 8. Exposure controls/personal protection

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#### 8.1 Ventilation Requirements:

Use only in well-ventilated areas.

#### 8.2 Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing.



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### 9. Physical and chemical properties

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#### 9.1 Information on basic physical and chemical properties

Boiling Point: <122 °C

Melting Point: NE

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): <3.0\*

Specific Gravity (H<sub>2</sub>O = 1): NE

Vapor Density (AIR = 1): ≈2-3

Solubility In Water: complete

Other Information:

Appearance and Odor: Clear, colorless; acrid odor

### 10. Stability and reactivity

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#### 10.1 Stability:

Stable

#### 10.2 Incompatibility (Materials to Avoid):

Elevated temperatures, combustible organic materials, readily oxidizable materials, wood, turpentine, metal powders, hydrogen sulfide, strong bases, carbides

#### 10.3 Decomposition/By Products:

Nitrogen oxides

#### 10.4 Hazardous Polymerization:

Does not occur.

### 11. Toxicological information

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#### 11.1 Information on toxicological effects

Respiratory tract irritant. Skin and eye irritant. Causes severe skin and eye burns. May cause lung injury. This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373

### 12. Ecological information

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#### 12.1 Adverse effects

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

### 13. Disposal considerations

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#### 13.1 Information on disposal

Dispose according to local, state, and federal regulations.

### 14. Transport information

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#### 14.1 Information on transport

Keep in tightly closed container. Keep cool and dry. Prevent from freezing. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Do not ingest or inhale. Avoid



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contact with skin, eyes, and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

### 15. Regulatory information

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#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

### 16. Other information

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#### 16.1 Risks

Using this product under normal, properly instructed procedures should not be hazardous.

#### 16.2 Further Information

The information above is believed to be accurate and represents the best information currently available to us but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.