according to Regulation (EU) No. 1907/2006

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

PMGI 101A Developer

Use of the substance/preparation

Chemical Speciality

Company/undertaking identification

Manufacturer

Company name: MicroChem Corporation

Street: 90 Oak Street

Place: USA-MA 02464-1418 Newton

Post-office box: PO Box 426

USA-MA 02464-0002 Newton

Telephone: +1 617 965 5511 Telefax: +1 617 965 5818

e-mail: productsafety@microchem.com

Internet: www.microchem.com

Supplier

Company name: micro resist technology GmbH
Street: Koepenicker Str. 325, Haus 211

Place: D-12555 Berlin

Telephone: +49 30 65762192 Telefax: +49 30 65762193

e-mail: mrt@microresist.de
Internet: www.microresist.de

Emergency telephone: Chemtrec (International): +1 703 527 3887

2. Hazards identification

Classification

Indications of danger: Irritant

R-phrases:

Irritating to eyes and skin.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
201-073-3	77-98-5	Tetraethylammonium Hydroxide	<5 %	C R34

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

After inhalation

Provide fresh air. In case of breathing difficulties administer oxygen. In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with plenty of water. Subsequently wash again with: Water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical

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treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Immediately get medical attention.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

The product itself is not combustible.

Extinguishing media which must not be used for safety reasons

Extinguishing materials should be selected according to the surrounding area.

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

Additional information

Thermal decomposition can lead to the escape of irritating gases and vapors.

6. Accidental release measures

Personal precautions

Wear personal protection equipment.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Soak up inert absorbent and dispose as waste requiring special observation.

7. Handling and storage

Handling

Advice on safe handling

Use only in well-ventilated areas. Do not breathe vapour. Avoid contact with skin and eyes. Keep container tightly closed.

Further information on handling

No special measures are necessary.

Storage

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container dry.

Storageclass (VCI): 8 B

8. Exposure controls/personal protection

Exposure limit values

Exposure controls

Occupational exposure controls

Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat, drink or smoke. Immediately remove any wetted clothing, shoes or stockings.

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Respiratory protection

Respiratory protection required in case of: aerosol or mist generation.

Hand protection

Tested protective gloves are to be worn: Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications.

Eye protection

Tightly sealed safety glasses.

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Take off immediately all contaminated clothing.

9. Physical and chemical properties

General information

Physical state: liquid
Colour: colourless
Odour: like: amines

Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point: 100 °C
Flash point: Not combustible.
Density (at 20 °C): 1,00 g/cm³
Water solubility: highly soluble.

10. Stability and reactivity

Conditions to avoid

Product is stable in the test system throughout the duration of the test.

Materials to avoid

Acid. Oxidizing agents.

Hazardous decomposition products

Carbon monoxide. amines. Nitrogen oxides (NOx). Methanol.

11. Toxicological information

Acute toxicity

No data available

12. Ecological information

Ecotoxicity

No data available

Further information

Do not allow uncontrolled leakage of product into the environment.

13. Disposal considerations

Advice on disposal

Waste disposal according to official state regulations.

14. Transport information

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Other applicable information

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

Labelling

Danger symbols: Xi - Irritant



Xi - Irritant

R phrases

36/38 Irritating to eyes and skin.

S phrases

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

36 Wear suitable protective clothing.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where

possible).

National regulatory information

Water contaminating class (D): 2 - water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

34 Causes burns.

36/38 Irritating to eyes and skin.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)