

MATERIAL SAFETY DATA SHEET
29 CFR 1910.1200 OSHA Hazard
Communication Rule Format
Chem-Tel 24 Hour Emergency # 1-800-255-3924

MINE SAFETY APPLIANCES COMPANY
P.O. Box 426
Pittsburgh, PA 15230
PHONE (412) 967-3000

PRODUCT IDENTITY

LABEL IDENTITY - MSA P/N 604229 Formaldehyde Calibration Standard

A Material Safety Data Sheet for the Formaldemeter Calibration Standard as furnished by PPM Technology Ltd. attached.

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using or storing this product.

PPM Technology Ltd.

Intec, Ffordd y Parc, Parc Menal, Bangor, Gwynedd LL57 4FG, Wales UK
Tel: 01248 671717 Fax: 01248 671582

SAFETY DATA SHEET

FORMALDEMETER CALIBRATION STANDARD

PRODUCT IDENTITY

PPM Part Number 554 101
Product Name Formaldemeter Calibration Standard
Chemical Names Methanal, Copper Sulphate
Additional Identities
Formula HCOH

PRESENTATION

Sealed Glass tube

COMPOSITION

The standard has the following
Constituents Formaldehyde solution 37-41% diluted to less than 0.05%
Copper (II) Sulphate 5- Hydrate less than 5%
Silica gel
Glass Wool (see separate sheet)

PHYSICAL DATA (Formaldehyde & Copper Sulphate solution)

Description Pale blue crystals
Solubility in Water Formaldehyde and copper sulphate will go readily into solution with water

*THE GLASS TUBE UNDER NORMAL USE PRESENTS NO SUBSTANTIAL HAZARD.
HOWEVER IF IT IS BROKEN, THEN FOLLOWING MAY APPLY.*

FIRE & EXPLOSION HAZARD

Not applicable

HEALTH HAZARD

Has a drying effect on the skin. Causes burns to eyes and skin. Chronic exposure to dust may cause silicosis.

Carcinogenicity

Formaldehyde has been found to cause cancer in laboratory animals.

Exposure limits OES mg/m³

0.1 dust (long term 8 hour TWA)

FIRST AID

Eyes Irrigate thoroughly with water.
Lungs Remove from exposure.
Skin Wash off thoroughly with soap and water.
Mouth Wash out thoroughly with water. In severe cases obtain medical attention

REACTIVE DATA

Stability Breaks down when wet.
Other known hazards No data

SPILLAGE DISPOSALS

In the event of spillage of contents, wear suitable protective equipment and dilute spill with large quantities of cold water.
Dispose of material in accordance with local regulations.

PROTECTIVE MEASURES

As appropriate to quantity handled, in this case small.
Respirator Dust respirator
Ventilation Extraction hood
Gloves Rubber or plastic
Eye protection Goggles or face shield
Other measures Plastic aprons sleeves—if handling large quantities

STORAGE AND HANDLING

Handle glass tube with care
Store in a cool dry place away from direct sunlight, preferably in the dark.

PPM TECHNOLOGY LTD.

Intec, Ffordd y Parc, Parc Menal, Bangor, Gwynedd LL57 4PG, Wales UK
Tel: 01248 671717 Fax: 01248 671582

SAFETY DATA SHEET

GLASS WOOL

PHYSICAL DATA

Description Soft white fibrous wool
Solubility in Water Immiscible or insoluble

FIRE & EXPLOSION HAZARD

Not applicable

HEALTH HAZARD

May cause physical damage to eyes and skin.
Carcinogenicity No evidence of carcinogenic properties.
Exposure limits not assigned (long term 8 hour TWA)

FIRST AID

Eyes Irrigate thoroughly with water. If discomfort persists obtain medical attention
Lungs Remove from exposure.
Skin Wash off thoroughly with soap and water.
Mouth Wash out thoroughly with water. In severe cases obtain medical attention

REACTIVE DATA

Stability Stable.
Other known hazards No data

SPILLAGE DISPOSALS

Precautions Wear appropriate protective clothing.

Carefully sweep up and dispose of in accordance with local regulations.

For large spillages liquids solids should be transferred to salvage containers. Any residues should be treated as for small spillages.

PROTECTIVE MEASURES

As appropriate to quantity handled, in this case small.

Respirator Dust respirator
Ventilation Extraction hood
Gloves Rubber or plastic
Eye protection Goggles or face shield
Other measures Plastic aprons sleeves—if handling large quantities

STORAGE AND HANDLING

Store in a cool dry place. Handle with tongs or strong leather gloves

The data contained above are not to be taken as a warranty or representation for which PPM Technology Ltd. Assumes legal responsibility. They are offered for your consideration and verification and it is the user's obligation to determine conditions of safe use of the product.