

WTW Safety Data Sheet
According to EC Directives 91/155/EEC

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

Product name:

Mercury Binder

Ord. No.: 209 190

Model: QBM 600

Manufacturer:

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany,..Tel.: +49(0)881 183-0, Fax.: +49(0)881 183-420

Emergency telephone:
(001)-703-527-3887

2. Composition/information on ingredients

Chemical characterization: Powdered product

Ingredients: Sulphur

Hazard symbols: Highly flammable (F) and Irritant (Xi)

R-phrases: 11-36/37/338

Content: 100 %

CAS-No.: 7704-34-9

EINECS: 231-722-6

3. Hazards identification

Highly flammable.
Irritating to eyes, respiratory system and skin.

4. First aid measures

After inhalation: Fresh air. Apply mouth-to-mouth resuscitation or mechanical ventilation if necessary. Summon doctor.
After skin contact: Wash off with plenty of water.
Remove contaminated clothing.
After eye contact: Rinse out with plenty of water with the eyelid held wide open. Immediately summon eye specialist.
After ingestion: Make injured person drink plenty of water, induce vomiting, summon doctor. Laxative: sodium sulfate(1 tablespoon/1/4 l water)

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5. Fire-fighting measures

<i>Suitable extinguishing media:</i>	Water, CO ₂ , foam, powder.
<i>Unsuitable extinguishing media:</i>	No information available.
<i>Special risks:</i>	Formation of hazardous vapours possible in the event of fire. Formation of explosive mixtures possible with air. The following may develop in the event of fire: SO _x , H ₂ S. Use chemical protection clothing and selfcontained breathing apparatus in the dangerous zone.
<i>Other information:</i>	Combustible Danger of dust explosion

6. Accidental release measures

<i>Personal-related precautionary measures:</i>	Do not inhale vapours
<i>Environmental-protection measures:</i>	Do not allow to enter sewerage system.
<i>Procedures for cleaning/absorption:</i>	Take up carefully. Clean up affected area. Avoid inhalation of dusts in all circumstances.

7. Handling and storage

<i>Handling:</i>	Keep away from sources of ignition and heat.
<i>Storage:</i>	Store tightly closed, away from highly flammable substances, away from firepromoting substances.

8. Exposure control/personal protection

<i>Specific control parameters:</i>	None
Personal protective equipment	
<i>Respiratory protection:</i>	Required when dusts are generated.
<i>Eye protection:</i>	Protective glasses
<i>Hand protection:</i>	Gloves (nitrile rubber)
<i>Industrial hygiene:</i>	Wash hands and face after working with substance. Immediately change contaminated clothing.

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9. Physical and chemical properties

<i>Form:</i> Solid	<i>Colour:</i> Yellow	<i>Odour:</i> Weak characteristic odour
<i>pH-value</i>	°C	
<i>Melting temperature:</i>	111-119°C	
<i>Boiling temperature:</i>	444°C	
<i>Ignition temperature:</i>	Dust 235°C	
<i>Flash point:</i>	168°C	
<i>Explosion limite lower:</i>	/	
<i>upper:</i>	/	
<i>Density:</i>	1,80-2,06 g/cm ³	
<i>Solubility in water:</i>	Insoluble	
<i>Thermal decomposition:</i>	/	

10. Stability and reactivity

<i>Conditions to be avoided:</i>	Avoid generation of dust.
<i>Substances to be avoided:</i>	Metals, metallic oxides, nonmetals, nonmetallic oxides, oxidizing agents, hydride, ethers, organic nitro compounds etc. Violent reaction possible with: chlorates, nitrates, perchlorates, permanganates.
<i>Hazardous decomposition products:</i>	Sulfur dioxide
<i>Further information:</i>	Highly inflammable, dust explosion possible, incompatible with copper, steel.

11. Toxicological information

<i>Acute toxicity:</i>	LD 50 (oral) > 2000 mg/kg No toxic effect are to be expected when the product is handled appropriately.
<i>Further toxicological information:</i>	After inhalation: inhalation of dusts should be avoided as even inert dusts may impair respiratory system. After ingestion: poorly absorbed, diarrhoea.

12. Ecological information

<i>Ecotoxic effects:</i>	No ecological problems are to be expected when the product the product is handled and used with due care and attention.
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13. Disposal considerations

Products: There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.

Packaging: Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

14. Transport information

ADR/GGVSE: UN 1350 Schwefel, 4.1 III

IMDG/GGVSee: UN 1350 Sulphur, 4.1 III

EmS-No.: F-A, S-G

ICAO/IATA: UN 1350 Sulphur, 4.1 III

Further information:

ADR: Sulphur is not subject the regulations of ADR, when it has been formed to a specific shape, e.g. prills, granules, pellets, pastilles or flakes.

IATA: Sulphur is not subject to the regulations of IATA when it is transported in quantities of less than 400 kg per package, or when it has been formed to a specific shape, e.g. prills, granules, pellets, pastilles or flakes.

15. Regulatory information

Labelling according to EC directives

Symbol: Highly flammable (F) and Irritant (Xi)

R-phrases: 11-36/37/38 Highly flammable

S-phrases: 16-23-26-36 Irritating to eyes, respiratory system and skin.

Keep away from sources of ignition.-No smoking.

Do not breathe vapour.

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

Wear suitable protective clothing.

German regulations

Water pollution class; nonpolluting substance

Storage class VCI: 11

Regulation on combustible liquids; VbF: None

Other regulations: None

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16. Other information

Date of issue:	15.07.2006
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Reason for alteration:	General update

The information contained herein is based on the present 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.