

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **FTMZ, FTMZ100**

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

Relevant identified uses: Lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Flowdrill Fließformwerkzeuge GmbH

Olbrichtstr. 18, Germany

Phone +49 6201 29091 0

Fax +49 6201 290 91 15

Email: info@flowdrill-gmbh.de

http://www.flowdrill.com

Informing department: product safety department : technik@flowdrill-gmbh.de

1.4 Emergency telephone number: +49 6201 290 19 18

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

2.2 Label elements

Labelling according to EU guidelines:

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Description: Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 68584-23-6 EINECS: 271-529-4	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts Xi R36	1-2.5%
CAS: 68937-41-7 EINECS: 273-066-3	Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5%] Xn R48/22-62-63; N R51/53 Repr. Cat. 3	≤ 1.0%

Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Instantly remove any clothing soiled by the product.

After inhalation Supply fresh air.

After skin contact Wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

Carbonmonoxide (CO) and carbondioxide (CO₂)

Sulphur dioxide (SO₂)

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

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Wear full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions: Do not allow product to reach sewage system or water bodies.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: Store only in the original container.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: None.

Recommended storage temperature: room temperature

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

TRGS 900 - March 2007 - Germany - Limit values in the air at the working area "air limit values" coolants (water miscible and non-miscible with a flash point exceeding 100 °C) limit value: 10mg/m³.

TRGS 900 - March 2007 - Germany - complexes hydrocarbon containing mixtures (Forming media) - No.72 Part 4 Group B: 40 mg/m³

TLV (Threshold Limit Values) of the American Conference of Governmental Industrial Hygienists listed for information purposes only.

Oil mist, mineral

OEL (Great Britain) Short-term value: 10 mg/m³ - Long-term value: 5 mg/m³

TLV (USA) Long-term value: 5 mg/m³ (ACGIH)

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to when handling the lubricant.

Breathing equipment:

Use breathing protection only when aerosol or mist is formed.

Respiratory protection by exceeding the exposure limit.

Protection of hands: Protective gloves.

Material of gloves Nitrile rubber, NBR

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Not suitable are gloves made of the following materials:

Leather gloves

Strong gloves

Eye protection: Tightly sealed safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid
Colour: brown
Smell: Characteristic

pH-value: Not applicable

Change in condition

Melting point/Melting range: Not determined

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Boiling point/Boiling range: Not determined
Flash point: ≥ 240 °C (CB-O-006)
acc.to ISO 2592
Ignition temperature: Not determined
Danger of explosion: Not determined
Density at 20 °C 0.910-0.950 g/cm³ (CB-A-001)
acc.to DIN 51757
Solubility in / Miscibility with
Water: insoluble
Viscosity:
kinematic at 40 °C: 315-385 mm²/s (CB-O-016)
acc.to DIN 51562
9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions Reacts with strong acids and oxidizing agents

10.4 Conditions to avoid To avoid thermal decomposition do not overheat.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

None in case of appropriate storage/handling/transport.

During thermal decomposition:

Hydrogen sulphide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: light irritation possible

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

It is not possible to state the European waste code from the CE catalogue since the classification of these codes is done according to the individual industries. Therefore several codes can be related to one product. The correct classification can be done by the user only.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Void

Class Void

14.4 Packing group

ADR, IMDG, IATA Void

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14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

**14.7 Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code** Not applicable.

SECTION 15: Regulatory information

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

National regulations

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

R36 Irritating to eyes.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.

Department issuing data specification sheet: product safety department

Contact: ps@bechem.com

* Data compared to the previous version altered.