

According to 1907/2006/EC, Article 31
Revision: 28/01/2021/ Printing date: 29/01/2021

1. Identification of substance:

Product details:

- ▶ **Trade name:** FTMZ
- ▶ **Application of the substance / the preparation** Metal working fluid
- ▶ **Supplier:**
Flowdrill Sales B.V.
Savannahweg 70
NL - 3542AW Utrecht
Tel.: +31 30 241 6606
Fax.: +31 30 241 3860
- ▶ E-mail: info@flowdrill.nl

2. Composition/information on ingredients

Chemical characterization

- ▶ **Description:** Preparation of additives in mineral oil
- ▶ **Dangerous components:** Polymer, Polyolefin-polyaminsuccinimid
- ▶ **Additional information:** Non water-miscible coolant. Free from organochlorine compounds.

3. Hazards identification

- ▶ **Hazard designation:** void
- ▶ **Information pertaining to particular dangers for man and environment:** void
- ▶ **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4. 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.

5. Fire fighting measures

- ▶ **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- ▶ **Special hazards caused by the material, its products of combustion or flue gases:**
Carbon monoxide (CO) and carbon dioxide (CO₂)
Sulphur dioxide (SO₂)
- ▶ **Protective equipment:**
Wear self-contained breathing apparatus.
Do not inhale explosion gases or combustion gases.
Wear full protective suit.

6. Accidental release measures

- ▶ **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- ▶ **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.
- ▶ **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. Handling and storage

Handling

- ▶ **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace
- ▶ **Information about protection against explosions and fires:** No special measures required.

Storage

- ▶ **Requirements to be met by storerooms and containers:** Store only in original container.
- ▶ **Information about storage in one common storage facility:** Store away from oxidizing agents
- ▶ **Further information about storage conditions:**
- ▶ **Recommended storage temperature:** room temperature.

8. Exposure controls and personal protection

- ▶ **Additional information about design of technical systems:** No further data see item 7.
- ▶ **Components critical values that require monitoring at the workplace:**
TRGS 900 March 2007
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



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75 Truman Road
Pella, IA 50219
Phone: 1-877-VAN-SANT
E-mail: sales@trick-tools.com



value: 10mg/m³

Personal protective equipment

- ▶ **General protective and hygienic measures:**
 - ▶ Instantly remove any soiled and impregnated garments.
 - ▶ Wash hands during breaks and at the end of work
 - ▶ Use skin protection cream for preventive skin protection
 - ▶ Do not carry cleaning cloths impregnated with the product in trouser pockets
- ▶ **Protection of hands:** protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- ▶ **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 gloves made of the following material:** Leather gloves and strong gloves
- ▶ **Eye protection:** Tightly sealed safety glasses
- ▶ **Body protection:** Protective work clothing

9. Physical and chemical properties:

General Information

- | | |
|------------------|----------------|
| ▶ Form: | Fluid |
| ▶ Colour: | Brown |
| ▶ Smell: | Characteristic |

Change in condition

- | | |
|--|--|
| ▶ Melting point/Melting range: | Not determined |
| ▶ Boiling point/Boiling range: | Not determined |
| ▶ Flash point: | 265°C (CB-O-006) acc. to ISO 2592 |
| ▶ Ignition temperature: | Not determined |
| ▶ Self-inflammability: | Product is not self igniting. |
| ▶ Danger of explosion: | Product is not explosive. |
| ▶ Density at 20°C: | 0.910-0.950 g/cm ³ (CB-A-001) DIN 51757 |
| ▶ Solubility in / Miscibility with water: | insoluble |
| ▶ Viscosity at 40°C: | 315-385 mm ² /S (CB-O-016) DIN 51562 |

10. Stability and reactivity

- ▶ **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- ▶ **Dangerous reactions:** Reactions with strong oxidation agents and strong acids
- ▶ **Dangerous product of decomposition:** Hydrogen sulphide
None in case of appropriate storage/handling/transport.

11. Toxicological information

Acute toxicity:

- ▶ **Acute toxicity:**
- ▶ **Primary irritant effect:**
- ▶ **On the skin:** No irritant effect.
- ▶ **On the eye:** light irritation possible



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Safety Data Sheet
Technical Data Sheet

Additional toxicological information:

- ▶ When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information:

- ▶ **General notes:** At present there are no ecotoxicological assessments..

13. Disposal considerations

Product:

- ▶ **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:**
- ▶ **Recommendations:** Disposal must be made according to official regulations

14. Transport information

Land transport ADR/RID and GGVS/GGVE (cross border/domestic):

- ▶ ADR/RID-GGVS/E Class: -

Maritime transport IMDG/GGVSea

- ▶ IMDG/GGVSea-Class: -
- ▶ **Marine pollutant:** No

Air transport ICAO-TI and IATA-DGR:

- ▶ ICAO/IATA-Class: -

Transport/Additional information: Not dangerous according to the above specifications.

15. Regulatory information

National regulations:

- ▶ **Designation according to EC guidelines:**
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparation of the EC" as issued in the last version.
- ▶ **Special designation of certain preparations:**
- ▶ Safety data sheet available for professional user on request.
- ▶ **National regulations**
- ▶ **Technical instructions (air):**
- ▶ Class III Share in %
- ▶ **Water hazard class:**
Water hazard class 2 (Self-assessment): hazardous for water.

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
- ▶ **Department issuing data specification sheet:** Technical department
- ▶ **Contact:** Flowdrill B.V. Phone: ++31 30 241 6606



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