



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

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

1.1 Product identifier

Trade name/designation Fluid MM 712, water-soluble

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

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses

Use of the substance/mixture

Lubricating agent

Additive

Uses advised against

This information is not available.

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH

Asselborner Weg 14-16

D-51249 Bergisch Gladbach

Telephone +49 (0) 22 04 / 8 39-0

Telefax +49 (0) 22 04 / 8 39-60

E-mail info@joke.de

Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0

Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):

sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg (Sprache / Language: DE, EN) +49 (0) 761 / 1 92 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No data available

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Remark

The product is not classified according to the CLP Regulation.

2.3 Other hazards

Adverse physicochemical effects

To the best of our knowledge, this product does not pose any particular risks if good occupational hygiene is maintained

Adverse environmental effects

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

Results of PBT and vPvB assessment

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

No data available

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove casualty to fresh air and keep warm and at rest.

Following skin contact

In case of contact with skin wash off with warm water.

After eye contact

In case of contact with eyes rinse thoroughly with warm water.

Following ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No special measures required.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet

Dry extinguishing powder

Foam

Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Dangerous smoke can arise.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.

For emergency responders

Personal protection equipment

Ensure adequate ventilation.

6.2 Environmental precautions

Avoid release into the environment

6.3 Methods and material for containment and cleaning up

For containment

After taking up the material dispose according to regulation.

Take up with absorbent material.

For cleaning up

If the product enters the sewage system or public waters, the authorities must be notified

Dispose of substances or residual quantities in solid form to an approved facility.

6.4 Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Wear personal protection equipment (refer to section 8).

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advices on general occupational hygiene

Wash hands before breaks and after work.

When using do not eat, drink, smoke, sniff.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Ensure adequate ventilation of the storage area.

Further information on storage conditions

Keep in a cool, well-ventilated place.

7.3 Specific end use(s)

Recommendation

This information is not available.



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Remark

Ensure good ventilation of the workplace.

Personal protection equipment

Eye/face protection

tightly fitting goggles

Hand protection

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Tested protective gloves must be worn

Body protection:

Protective clothing

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Thermal hazards

This information is not available.

Environmental exposure controls

Remark

Avoid release into the environment.

Additional information

This information is not available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

colourless

Odour

odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		



Fluid MM 712, water-soluble

Print date 24.06.2024
 Revision date 24.06.2024
 Version 1.0 (en)

	Value	Method	Source, Remark
Boiling point or initial boiling point and boiling range	100 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	> 100 °C		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	5- 7		
Viscosity	not determined		
Solubility(ies)	Water solubility		soluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	not determined		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	not determined		
Acute dermal toxicity	not determined		



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

	Effective dose	Method, Evaluation	Source, Remark
Acute inhalation toxicity	not determined		

Assessment/classification

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Assessment/classification

not applicable

Serious eye damage/irritation

Assessment/classification

not applicable

Sensitisation to the respiratory tract

not determined

Skin sensitisation

Assessment/classification

not applicable

Germ cell mutagenicity

Assessment/classification

not applicable

Carcinogenicity

Assessment/classification

not applicable

Reproductive toxicity

Assessment/classification

not applicable

Overall Assessment on CMR properties

The mixture is not classified as mutagenic / not classified as carcinogenic / not classified as toxic for reproduction

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

not applicable

STOT SE 3

Irritation to respiratory tract

Assessment/classification

not applicable

Narcotic effects

Assessment/classification

not applicable



Fluid MM 712, water-soluble

Print date 24.06.2024
 Revision date 24.06.2024
 Version 1.0 (en)

STOT-repeated exposure

Assessment/classification
 not applicable

Aspiration hazard

Remark
 The mixture is not classified as toxic to aspiration

11.2 Information on other hazards

Additional information
 This information is not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

12.2 Persistence and degradability

Assessment/classification
 not applicable

12.3 Bioaccumulative potential

Assessment/classification
 This information is not available.

12.4 Mobility in soil

Assessment/classification
 This information is not available.

12.5 Results of PBT and vPvB assessment

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

The product is not considered harmful to aquatic organisms nor does it cause long-term damage to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of according to official regulations.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

not applicable

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out.

SECTION 16: Other information

Indication of changes

* Data changed compared with the previous version



Fluid MM 712, water-soluble

Print date 24.06.2024

Revision date 24.06.2024

Version 1.0 (en)

Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE: Acute Toxicity Estimate
BCF: Bioconcentration Factor
CLP: Classification, Labelling and Packaging
DMEL: Derived Minimal Effect Level
DNEL: derived no-effect level
EC50: Effective Concentration 50%
OECD: Organisation for Economic Cooperation and Development
NOEC: No Observed Effect Concentration
NOAEL: No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
LD50: Lethal (fatal) Dose 50%
LC50: Lethal (fatal) Concentration 50%
IMDG: International Maritime Dangerous Goods
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
RID: Dangerous goods regulations for transport by rail
REACH: Registration, Evaluation and Authorization of Chemicals
IATA: International Air Transport Association
IARC: International Agency for Research on Cancer

Key literature references and sources for data

Datasheets of the manufacturer

Additional information

This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.

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.