


1 Identification of the substance / preparation and of the company
1.1 Product identifier

MetaDi Oil based Diamand Suspension
Article number 40-65xx

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

see product designation

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet
Company

Buehler GmbH

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 D-40599 Düsseldorf / GERMANY
 Phone: 0800 707 6273
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 Homepage: www.buehler-met.de/en/
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Address enquiries to
Technical information

sales@buehler.co.uk

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency phone

0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100

2 Hazards identification
2.1 Classification of the substance or mixture
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

not determined

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

The product does not require a hazard warning label in accordance with EC-directives.

2.2 Label elements
Hazard symbols

none

R-phrases

none

S-phrases

none

Special labelling

Safety data sheet available for professional user on request.

2.3 Other hazards
Physico-chemical hazards

See chapter 10.

Human health dangers

Frequent persistent contact with the skin can cause skin irritation.

Other hazards

none

3 Composition / Information on ingredients
3.1 Substances

The product in question is a mixture.

**3.2 Mixtures**

Range [%]	Substance
70 - < 100	Distillates (petroleum), hydrotreated light
	CAS: 64742-47-8, EINECS/ELINCS: 265-149-8, EU-INDEX: 649-422-00-2
	GHS/CLP: Asp. Tox 1, H304 - EUH066
	EEC: Xn, R 65-66

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%. For the wording of the listed risk phrases refer to section 16.

4 First aid measures**4.1 Description of first aid measures**

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No informations available.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.

5 Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media	Carbon dioxide. Water spray jet. Dry powder. Foam.
Extinguishing media that must not be used	Full water jet.

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from all sources of ignition.
Ensure adequate ventillation.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.



6.4 Reference to other sections

See Chapter 8+13

7 Handling and storage

7.1 Precautions for safe handling

Provide good room ventilation even at ground level (vapours are heavier than air).
Provide suitable vacuuming at the processing area.
Vapours can form an explosive mixture with air.
Keep away from all sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Do not store together with oxidizing agents.
Keep container tightly closed.
Protect from heat/overheating.

7.3 Specific end use(s)

See product use, Chapter 1.2

8 Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Range [%]	Substance / WEL: Workplace exposure limit
70 - < 100	Distillates (petroleum), hydrotreated light / - ppm, 1200 mg/m ³ , -

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses.
Hand protection	Nitrile rubber, >480 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	not applicable
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work. Cloths contaminated with product should not be kept in trouser pockets. Use barrier skin cream.
Respiratory protection	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P1.
Thermal hazards	See chapter 7.
Delimitation and monitoring of the environmental exposition	not determined



9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	various
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	218
Flash point [°C]	66
Flammability [°C]	not determined
Lower explosion limit	0,9 Vol.%
Upper explosion limit	6,7 Vol.%
Oxidizing properties	no
Vapour pressure [kPa]	not determined
Density [g/ml]	0,79 (20°C / 68,0°F)
Bulk density [kg/m ³]	not applicable
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	16,1mm ² /s (40°C)
Relative vapour density determined in air	> 1
Evaporation speed	< 1
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature	not applicable

9.2 Other information

none

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
70 - < 100	Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
	LD50, oral, Rat: > 2000 mg/kg.
	LD50, dermal, Rabbit: > 2000 mg/kg.
	LC50, inhalative, Rat: > 5 mg/l/4h.

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	

Toxicological data are not available.

No classification on the basis of the calculation procedure of the preparation directive.

12 Ecological information

12.1 Toxicity

Range [%]	Substance
70 - < 100	Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
	EC50, (24h), Daphnia magna: > 250 ppm.
	IC50, (72h), Algae: 20 ppm.
	LC50, (96h), fish: > 1000 ppm.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

No informations available.

12.4 Mobility in soil

No informations available.

12.5 Results of PBT and vPvB assessment

No informations available.

12.6 Other adverse effects

No classification on the basis of the calculation procedure of the preparation directive.



13 Disposal considerations

13.1 Waste treatment methods

Coordinate the waste disposal with the national authorities.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.
Coordinate disposal with the authorities if necessary.

Waste no. (recommended)

070704*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Waste no. (recommended)

150110*
150101
150102
150104

14 Transport information

14.1 UN number

See point 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Classification according to ADR NO DANGEROUS GOODS

Classification according to IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Classification according to IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See point 14.2 in accordance with UN shipping name

14.4 Packing group

See point 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See point 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under points 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

15 Regulatory information

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

EEC-REGULATIONS 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach);
1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits with amendments October 2007.
CHIP 3/ CHIP 4

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16 Other informations

R-phrases (Chapter 03)

R 65: Harmful - may cause lung damage if swallowed.
R 66: Repeated exposure may cause skin dryness or cracking.

Hazard statements (Chapter 03)

H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.

Observe employment restrictions for people

no

VOC (1999/13/CE)

99,5%

Customs Tariff

not determined

Safety Data Sheet 1907/2006/EC - REACH (GB)

MetaDi Oil based Diamand Suspension

Article number 40-65xx

Buehler GmbH

D-40599 Düsseldorf



BUEHLER

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