



**1 Identification of the substance / preparation and of the company**

Product: Mineral Spirit
Article number: 40-8140-xxx
Registration number: not determined
Use: See product information
Identified use: none
Method of operation: See product information.
Company: Buehler GmbH
 In der Steele 2
 40599 Düsseldorf / GERMANY
Phone: +49 (0) 211 974100
Fax: +49 (0) 211 97410 79
Homepage: www.buehler-met.de
E-mail: info@buehler-met.de
Emergency phone: 0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
Responsible: Simonavicius@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10 and R-phrases.
Human health dangers: See R-phrases.
 If swallowed or in the event of vomiting, risk of product entering the lungs.
Environmental hazards: See R-phrases.
Other hazards: none
Hazard symbols:


 Harmful


 Dangerous for the environment

R-phrases: R 10: Flammable.
 R 65: Harmful - may cause lung damage if swallowed.
 R 66: Repeated exposure may cause skin dryness or cracking.
 R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 Composition / Information on ingredients

100%	Solvent naphtha (petroleum), medium aliph.
------	--

N-Xn, R10-51/53-65-66 CAS: 64742-88-7, EINECS/ELINCS: 265-191-7, EU-INDEX: 649-405-00-X, ECBnr:

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 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: In case of contact with skin wash off immediately 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: Supply with medical care.
 Do not induce vomiting.
 Rinse out mouth and give plenty of water to drink.
Advice to doctor: If swallowed or in the event of vomiting, risk of product entering the lungs.

**5 Fire-fighting measures****Suitable extinguishing media:** Foam.

Water spray jet.

Dry powder.

Carbon dioxide.

Extinguishing media that must not be used:

Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products:

Unknown risk of formation of toxic pyrolysis products.

Special protective equipment for firefighters:

Use self-contained breathing apparatus.

Additional information:

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures**Personal precautions:**

Keep away from all sources of ignition.

High risk of slipping due to leakage/spillage of product.

Ensure adequate ventilation.

Environmental precautions:

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up:

Take up with absorbent material (e.g. general-purpose binder).

Dispose of absorbed material in accordance within the regulations.

7 Handling and storage**Advice on safe handling:**

Provide good room ventilation even at ground level (vapours are heavier than air).

Advice on protection against fire and explosion:

Keep away from all sources of ignition - Refrain from smoking.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

Requirements for storage rooms and vessels:

Keep only in original container.

Provide solvent-resistant and impermeable floor.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container tightly closed.

Keep container in a well-ventilated place.

Protect from heat/overheating.

8 Exposure controls / personal protection**Additional advice on system design:**

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

100%

Solvent naphtha (petroleum), medium aliph., 1200mg/m³*,*** WEL: Workplace exposure limit****Respiratory protection:**

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A.

Hand protection:

Nitrile, >480 min (EN 374).

Eye protection:

Safety glasses.

Skin protection:

Light protective clothing of plastic material.

General protective measures:

Avoid contact with eyes and skin.

Do not inhale gases/vapours/aerosols.

Hygiene measures:

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

Delimitation and monitoring of the environmental exposition:

not determined

**9 Physical and chemical properties**

Form:	liquid
Color:	clear
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	157
Flash point [°C]:	40
Flammability [°C]:	not determined
Lower explosion limit:	0,7 Vol. %
Upper explosion limit:	5,0 Vol. %
Oxidizing properties:	no
Vapour pressure [kPa]:	0,26 (20°C)
Density [g/ml]:	0,784
Density at [°C]:	20
Bulk density [kg/m³]:	not applicable
Solubility in water:	virtually insoluble
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	<7mm²/s 40°C
Relative vapour density determined in air:	>1
Evaporation speed:	<1
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	not applicable

10 Stability and reactivity

Hazardous reactions:	Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting. Uncleaned empty vessels may contain product gases which can form explosive mixtures with air. Reactions with oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	LD50: > 2000 mg/kgRat
Acute dermal toxicity:	LD50: 3000 mg/kgRat
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Analogous to product with a similar composition.






**12 Ecological information**

Fish toxicity:	LC50: 1-<10 mg/l (96h)
Daphnia toxicity:	EC50: 1-<10 mg/l (48h)
Behaviour in environment compartments:	not determinated
Behaviour in sewage plant:	not determinated
Bacteria toxicity:	not determinated
Biological degradability:	not determinated
COD:	not determinated
BOD 5:	not determinated
AOX-advice:	not applicable
2006/11/EC:	yes
General information:	Do not allow to enter soil, waterways or waste water.

13 Disposal considerations

Product:	Disposal in an incineration plant in accordance with the regulations of the local authorities. Dispose of as hazardous waste.
Contaminated packaging:	Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	070104*

14 Transport information

Classification according to ADR:	UN 1268 Petroleum distillates, n.o.s. 3 (N), III
- Classification Code:	F1
- Label:	 
- ADR LQ	LQ7: 5l
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): 3 (D/E)
Classification according to IMDG:	UN 1268 Petroleum distillates, n.o.s. 3 III MARINE POLLUTANT
- EMS:	F-E, S-E
- Label:	 
- IMDG Limited Quantities:	LQ: 5 l
Classification according to IATA:	UN 1268 Petroleum distillates, n.o.s. 3 III
- Label:	

**15 Regulatory information**

Exposure scenario: not determinated
Chemical safety report: not determinated
Labelling: The product is classified and labelled in accordance within EC-directives.
Hazard symbols:



Harmful



Dangerous for the environment

Contains: Solvent naphtha (petroleum), medium aliph., EINECS: 265-191-7, EC-labelling
R-phrases: R 10: Flammable.
 R 65: Harmful - may cause lung damage if swallowed.
 R 66: Repeated exposure may cause skin dryness or cracking.
 R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases: S 23.3: Do not breathe vapour.
 S 24: Avoid contact with skin.
 S 29/35: Do not empty into drains. Dispose of this material and its container in a safe way.
 S 62: If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.
Special labelling: none
Authorisation, TITEL VII: not applicable
Restrictions, TITEL VIII: not applicable
EEC-REGULATIONS: 1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS: DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).
NATIONAL REGULATIONS EH40/2005 Workplace exposure limits with amendments October 2007.

16 Other informations

R-phrases (Chapter 03): R 10: Flammable.
 R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 66: Repeated exposure may cause skin dryness or cracking.
 R 65: Harmful - may cause lung damage if swallowed.
Observe employment restrictions for people:
 yes
VOC (1999/13/CE): 100%
Customs Tariff: not determinated