

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Magnetpulver NRS 103

Revision date: 14.02.2020

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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Further trade names

Article no. (user):
135.005.080 (1 L)
135.005.090 (10 L)
135.005.095 (200 L)

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Test agent for magnetic powder testing

1.3. Details of the supplier of the safety data sheet

Company name:	Helling GmbH	
Street:	Spoekerdamm 2	
Place:	D-25436 Heidgraben	
Telephone:	+49-4122-922-0	Telefax: +49-4122-922-201
e-mail:	info@helling.de	
Internet:	www.helling.de	

1.4. Emergency telephone number: GIZ Nord Göttingen +49-(0)551-19240
(Information in German and English)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:
Aspiration hazard: Asp. Tox. 1
Hazard Statements:
May be fatal if swallowed and enters airways.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Hydrocarbons, C13-C16, n-alkane, isoalkane, cycloalkane, < 0,03% aromatics
Hydrocarbons, C11-C14, n-alkane, isoalkane, cyclenes, <2% aromates

Signal word: Danger

Pictograms:

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to industrial incineration plant.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
-	Hydrocarbons, C13-C16, n-alkane, isoalkane, cycloalkane, < 0,03% aromatics			40 - 60 %
	934-954-2		01-2119826592-36	
	Asp. Tox. 1; H304 EUH066			
	Hydrocarbons, C11-C14, n-alkane, isoalkane, cyclenes, <2% aromates			30 - 50 %
	926-141-6		01-2119456620-43	
	Asp. Tox. 1; H304 EUH066			

Full text of H and EUH statements: see section 16.

Further Information

Possible in traces: (< 0,005%)
1,2,3-trimethylbenzene (CAS 526-73-8)
1,2,4-trimethylbenzene (CAS 95-63-6)
mesitylene; 1,3,5-trimethylbenzene (CAS 108-67-8)
cumene (CAS 98-82-8)
naphthalene (CAS 91-20-3)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.
Special danger of slipping by leaking/spilling product.

After inhalation

Provide fresh air. In case of trouble call doctor.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Never give anything by mouth to an unconscious person or a person with cramps.
Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration!
Call a physician in any case!

4.2. Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Water fog. Foam. ABC powder.
Use water spray jet to protect personnel and to cool endangered containers.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.
In case of fire may be liberated: Carbon dioxide. Carbon monoxide
In case of fire in the surroundings the formation of dangerous gases/vapour is possible too.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.
High slip hazard because of leaking or spilled product.
Small quantities: Wear antistatic work clothing.
Large quantities: Wear chemical resistant suit.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not breathe gas/vapour/aerosol.
Avoid contact with skin, eyes and clothes. Wash hands thoroughly after handling.
High slip hazard because of leaking or spilled product.

Advice on protection against fire and explosion

Use only in well-ventilated areas. Vapours may form explosive mixtures with air.
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.

Further information on handling

Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Store locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep/Store only in original container.

Hints on joint storage

Do not store together with: Oxidizing agents. Strong acid. Alkalis (alkalis).

Further information on storage conditions

storage temperature: 5 - 40°C

7.3. Specific end use(s)

In case of special use, contact supplier.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. After work, wash hands and face. When using do not eat or drink. Avoid contact with eyes. Protect skin by using skin protective cream.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber).

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

Skin protection

Wear suitable protective clothing.

Remove contaminated, saturated clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Combination filtering device (EN 14387) Filter type: A

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	black

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Odour: characteristic

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: > 220 °C

Flash point: > 80 °C ISO 2719

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

Vapours may form explosive mixtures with air.

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: > 230 °C

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 0,820 g/cm³

Water solubility: practically insoluble

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: No data available

Viscosity / kinematic:
(at 40 °C) 2 mm²/s DIN EN ISO 3104

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

none

SECTION 10: Stability and reactivity**10.1. Reactivity**

No risks worthy of mention.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Keep away from heat.

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10.5. Incompatible materials

Oxidizing agents, strong. Strong acid. Alkalis (alkalis).

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide. Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
-	Hydrocarbons, C13-C16, n-alkane, isoalkane, cycloalkane, < 0,03% aromatics				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 3160 mg/kg	Rabbit		OECD 402
	inhalation (4 h) aerosol	LC50 > 5,266 mg/l	Rat		OECD 403
	Hydrocarbons, C11-C14, n-alkane, isoalkane, cyclenes, <2% aromates				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit		
	inhalation vapour	LC50 > 5000 mg/l	Rat		

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
-	Hydrocarbons, C13-C16, n-alkane, isoalkane, cycloalkane, < 0,03% aromatics					
	Acute fish toxicity	LC50 mg/l	> 1028	96 h	Scophthalmus maximus	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 10000	72 h	Skeletonema costatum	ISO 10253
	Acute crustacea toxicity	EC50 mg/l	> 3193	48 h	Acartia tonsa	ISO 14669
	Fish toxicity	NOEC mg/l	> 1000	28 d	Oncorhynchus mykiss (Rainbow trout)	QSAR Petrotox
	Crustacea toxicity	NOEC mg/l	> 1000	21 d	Daphnia magna	QSAR Petrotox
	Hydrocarbons, C11-C14, n-alkane, isoalkane, cyclenes, <2% aromates					
	Acute fish toxicity	LC50 mg/l	1000	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 mg/l	1000	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 mg/l	1000	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

Product is not easily biodegradable.

12.3. Bioaccumulative potential

Contains material with potentials to bioaccumulate.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

List of Wastes Code - residues/unused products

120107 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; mineral-based machining oils free of halogens (except emulsions and solutions); hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)
No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

Other applicable information (marine transport)
No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)
No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 99%

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Hydrocarbons, C11-C14, n-alkane, isoalkane, cyclenes, <2% aromates

SECTION 16: Other information**Changes**

section 2, 3, 8, 9, 11, 12, 13, 15, 16

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

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(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)