

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC Bleiersatz

Revision date: 11.01.2018

Product code: 21500-998-00

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

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

Lubricant, lubricants and release products

1.3. Details of the supplier of the safety data sheet

Company name:	ROWE MINERALOELWERK GMBH	
Street:	Langgewann 101	
Place:	D-67547 Worms	
Telephone:	+49 (0)6241 5906-0	Telefax: +49 (0)6241 5906-999
e-mail:	info@rowe-mineraloel.com	
Internet:	www.rowe-mineraloel.com	
Responsible Department:	Kundenservice	

1.4. Emergency telephone number: Giftnotruf Mainz (DE; E) +49 (0)6131-19240

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

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May be fatal if swallowed and enters airways.

Harmful to aquatic life with long lasting effects.

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

Kerosine (petroleum), Straight run kerosine

Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.

Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha

Signal word: Danger

Pictograms:

Hazard statements

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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 of the disposal according to local regulations.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures
Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Hydrocarbons C11-C14 N-Alkanes , Isoalkans, Cyclics Aromatics (2-25%)			50-70 %
	925-635-7		01-2119458869-15	
	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-30%)			30-50 %
	920-360-0		05-2114132820-60	
	POTASSIUM SALT OF A CARBXYLIC ACID			1-10 %
8008-20-6	Kerosine (petroleum), Straight run kerosine			1-10 %
	232-366-4	649-404-00-4		
	Asp. Tox. 1; H304			
95-63-6	1,2,4-trimethylbenzene			<1 %
	202-436-9	601-043-00-3		
	Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2; H226 H332 H319 H335 H315 H411			
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha			<1 %
	265-185-4			
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411			
	ALKYL SUCCINIC ACID			<1 %
	248-698-8			
91-20-3	naphthalene			<1 %
	202-049-5	601-052-00-2	01-2119561346-37	
	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410			

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

SECTION 4: First aid measures
4.1. Description of first aid measures
After inhalation

Provide fresh air. Medical treatment necessary. If victim is at risk of losing consciousness, position and transport on their side. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Wash with plenty of water. Change contaminated clothing. Medical treatment necessary. Take off immediately all contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Medical treatment necessary.

After ingestion

Rinse mouth immediately and drink plenty of water.

Medical treatment necessary. Do NOT induce vomiting.

Caution if victim vomits: Risk of aspiration! If victim is at risk of losing consciousness, position and transport on

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their side.

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

Causes skin and eye irritation.

after ingestion: Vomiting

Following inhalation: Vomiting

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂). Extinguishing powder. Water spray. alcohol resistant foam.**5.2. Special hazards arising from the substance or mixture**

Vapours may form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes. Carbon dioxide (CO₂). Carbon monoxide Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear protective gloves/protective clothing and eye/face protection.

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**

Wear personal protection equipment (refer to section 8).

Remove affected person from the danger area and lay down.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

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. Use only non-sparking tools.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe gas/fumes/vapour/spray. Ensure adequate ventilation of the storage area. Keep away from sources of ignition. - No smoking. Avoid contact with skin, eyes and clothes. Use only non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Protect from sunlight. Floors should be impervious, resistant to liquids and easy to clean. Take precautionary measures against static discharges.

Further information on storage conditions

Keep only in original container.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
91-20-3	Naphthalene	10	50		TWA (8 h)	EU
95-63-6	Trimethylbenzenes: 1,2,4-Trimethylbenzene	25	125		TWA (8 h)	WEL

8.2. Exposure controls
Appropriate engineering controls

Provide adequate ventilation. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Floors should be impervious, resistant to liquids and easy to clean.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear suitable gloves. penetration time (maximum wearing period): >4h

Skin protection

Protective clothing.

Respiratory protection

Filtering device (full mask or mouthpiece) with filter: A

Environmental exposure controls

Do not allow to enter into surface water or drains.

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

Physical state: liquid
 Colour: light yellow
 Odour: characteristic

Test method

pH-Value: 10

Changes in the physical state

Melting point: -30 °C
 Initial boiling point and boiling range: 180-280 °C
 Flash point: 81 °C
 Lower explosion limits: 1 vol. %
 Upper explosion limits: 6 vol. %
 Ignition temperature: 230 °C
 Density: 0,85 g/cm³
 Viscosity / kinematic: 3.8 mm²/s DIN EN ISO 3104

9.2. Other information

Solid content: 0

SECTION 10: Stability and reactivity
10.1. Reactivity

This product is stable under normal conditions. Hazardous reactions are unlikely.

10.2. Chemical stability

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This product is stable under normal conditions. Hazardous reactions are unlikely.

10.3. Possibility of hazardous reactions

This product is stable under normal conditions. Hazardous reactions are unlikely.

10.4. Conditions to avoid

heat. Flame Keep away from sources of ignition - No smoking.

10.5. Incompatible materials

Oxidizing agents, strong. Reducing agent, strong

10.6. Hazardous decomposition products

Hazardous decomposition products: Gas/vapours, toxic. Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x)

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons C11-C14 N-Alkanes , Isoalkans, Cyclics Aromatics (2-25%)				
	oral	LD50 mg/kg	5050	Rat	
	dermal	LD50 mg/kg	3400	Rabbit	
	inhalation (4 h) vapour	LC50 mg/l	>13,1	Rat	
	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-30%)				
	oral	LD50 mg/kg	>4150	Rat	
	dermal	LD50 mg/kg	1700	Rabbit	
	inhalation (4 h) vapour	LC50 mg/l	>5,28	Rat	
95-63-6	1,2,4-trimethylbenzene				
	oral	LD50 mg/kg	5000	Rat	RTECS
	inhalation (4 h) vapour	LC50	18 mg/l	Rat	RTECS
	inhalation aerosol	ATE	1,5 mg/l		
91-20-3	naphthalene				
	oral	ATE mg/kg	500		

Irritation and corrosivity

Causes skin and eye irritation.

after ingestion: Vomiting

Following inhalation: Vomiting

STOT-repeated exposure

Has de-greasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

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SECTION 12: Ecological information
12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons C11-C14 N-Alkanes , Isoalkans, Cyclics Aromatics (2-25%)					
	Acute fish toxicity	LC50	9,2 mg/l	96 h		
	Acute algae toxicity	ErC50	2,9 mg/l	72 h	Pseudokirchneriella subcapitata Pseudokirchneriella subcapitata	
	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-30%)					
	Acute fish toxicity	LC50	10-30	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50	4,6-10	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50	10-22	48 h	Daphnia magna	OECD 202
95-63-6	1,2,4-trimethylbenzene					
	Acute fish toxicity	LC50	7,72	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	3,6 mg/l	48 h	Daphnia	ECOTOX

12.2. Persistence and degradability

Product is partially biodegradable.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-30%)	>3,5
95-63-6	1,2,4-trimethylbenzene	3,63

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Harmful to aquatic organisms.

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

Dispose of waste according to applicable legislation. Send to a hazardous waste incinerator facility under observation of official regulations.

Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

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Waste disposal number of used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself. Remove according to the regulations.

SECTION 14: Transport information
Land transport (ADR/RID)
Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

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 this transport regulation.

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

Restrictions on use (REACH, annex XVII):

Entry 3: 1,2,4-trimethylbenzene

Entry 29: Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information
Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,8,15.

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

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.

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H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.)