Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC Bleiersatz

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

1.1. Product identifier

HIGHTEC Bleiersatz

UFI: ATE6-YMW1-M00N-FH16

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

Use of the substance/mixture

Lubricant, lubrifiants and release products

1.3. Details of the supplier of the safety data sheet

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

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
Hazard Statements:
May be fatal if swallowed and enters airways.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS,AROMATICS (2-30%)
Kerosine (petroleum), Straight run kerosine

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 of the disposal according to local regulations.

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			
1174522-15-6	Hydrocarbons C11-C14 N-Alkanes , Isoalkans, Cyclics Aromatics (2-25%)			50-70 %
	925-653-7		01-2119458869-15	
1174522-18-9	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS,AROMATICS (2-30%)			30-50 %
	920-360-0		05-2114132820-60	
	Asp. Tox. 1; H304			
	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	01-2119485517-27	
	Asp. Tox. 1; H304			
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha			<1 %
	265-185-4		01-2119490979-12	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411			
27859-58-1	ALKYL SUCCINIC ACID			<1 %
	248-698-8		01-2120752504-57	
95-63-6	1,2,4-trimethylbenzene			<1 %
	202-436-9	601-043-00-3	01-2119472135-42	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2; H226 H332 H315 H319 H335 H411			
91-20-3	naphthalene			<1 %
	202-049-5		01-2119561346-37	
	Carc. 2, Acute Tox. 4, Aquatic Chronic 2; H351 H302 H411			

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. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary. Take off immediately all contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. Medical treatment necessary.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary.
Do NOT induce vomiting.

If victim is at risk of losing consciousness, position and transport on their side.

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

Causes skin and eye irritation.
after ingestion: Vomiting
Following inhalation: Vomiting

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO2). Extinguishing powder. Water spray. alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can 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. 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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. 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 non-sparking tools.

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

If handled uncovered, arrangements with local exhaust ventilation have to be used. 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 non-sparking tools.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. 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.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

Keep only in original packaging.

7.3. Specific end use(s)

Lubricant, lubrifiants and release products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	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

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

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary . When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection. Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. Wear suitable gloves. penetration time (maximum wearing period): >4h

Skin protection

Wear suitable protective clothing. Protective clothing.

Respiratory protection

In case of inadequate ventilation wear 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	
Flammability		
Solid:	not applicable	
Gas:	not applicable	
Lower explosion limits:	1 vol. %	
Upper explosion limits:	6 vol. %	
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:	~ 0,85 g/cm³	
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Solubility in other solvents		
not determined		
Partition coefficient:	not determined	
Viscosity / kinematic:	~ 3.8 mm²/s	DIN EN ISO 3104
Vapour density:	not determined	
Evaporation rate:	not determined	

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

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 (CO_2). Carbon monoxide Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
1174522-15-6	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		
1174522-18-9	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

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
1174522-15-6	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		
1174522-18-9	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS,AROMATICS (2-30%)						
	Acute fish toxicity	LC50 mg/l	10-30	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203	
	Acute algae toxicity	ErC50 mg/l	4,6-10	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 mg/l	10-22	48 h	Daphnia magna	OECD 202	
95-63-6	1,2,4-trimethylbenzene						
	Acute fish toxicity	LC50 mg/l	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
1174522-18-9	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS,AROMATICS (2-30%)	>3,5
95-63-6	1,2,4-trimethylbenzene	3,63

12.4. Mobility in soil

The product has not been tested.

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. 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. Send to a hazardous waste incinerator facility under observation of official regulations.

List of Wastes Code - 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

List of Wastes Code - 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

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself. Remove according to the regulations.

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)

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.

Marine transport (IMDG)

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.

Air transport (ICAO-TI/IATA-DGR)

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.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

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

Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	3 - strongly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,9.

Abbreviations and acronyms

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

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.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. 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.)