



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.03.2014
Revision: 02.2014
Version: 1

1.1 Product identifier

Trade name: ZEPHIR

Article number: 9.BFZEPHIR/8 - 9.BFZEPHIR500/8 – 9.BFZEPHIR250/6

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

Automotive care products

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

RUPES SpA
Via Marconi 3/A
20080 Vermezzo – MILANO – Italy
Tel.: +39 02.94.694.1
Fax: +39 02.94.94.10.40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

This mixture is not classified as hazardous according to Directive 1999/45/EC.

GHS classification

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
920-901-0	aliphatic Hydrocarbones, C11-C13, isoalkanes	15 - < 20 %
90622-58-5	Xn - Harmful R65-66 Flam. Liq. 4, Skin Irrit. 3, Asp. Tox. 1; H227 H316 H304 EUH066	
01-2119456810-40		
232-455-8	white mineral oil (petroleum)	1 - < 5 %
8042-47-5		
	Asp. Tox. 1; H304	
01-2119487078-27		
	Isothiazolinone	< 0.1 %
55965-84-9	T - Toxic, C - Corrosive, N - Dangerous for the environment R23/24/25-34-43-50-53 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H301 H311 H331 H314 H317 H400 H410	

Full text of R-, H- and EUH-phrases: see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Provide fresh air

After contact with skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse

After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion: Rinse mouth immediately and drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed: No information available.

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.

5.2 Special hazards arising from the substance or mixture Non-flammable.

5.3 Advice for firefighters: In case of fire: Wear self-contained breathing apparatus.

Additional information: 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 Use personal protection equipment..

6.2 Environmental precautions: Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up: Take up mechanically. 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: No special measures are necessary.

Advice on protection against fire and explosion: Advice on protection against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Keep container tightly closed.

Advice on storage compatibility: No special measures are necessary.

7.3 Specific end use(s) Automotive care products.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1344-28-1	Aluminium Oxid		3		TWA (8 h)	
		-	-		STEL (15 min)	
64742-65-0	High arrafinated mineral oils	5			TWA (8 h)	TWAQ
					STEL (15 min)	TWAQ
8042-47-5	White mineral oil (petroleum)	5			TWA (8 h)	TWA
					STEL (15 min)	TWA
90622-58-5	Aliphatic Hydrocarbones, C11-C13, isoalkanes		600		TWA (8 h)	
					STEL (15 min)	
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2 Exposure controls

Protective and hygiene measure: Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection: Wear eye/face protection.

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.

Skin protection: Wear suitable protective clothing

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties General Information

Physical state: Paste

Colour: white

Odour: characteristic

Test method pH-Value (at 20 °C): 7,8

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 100 °C

Flash point: >61 °C

Flammability

Solid: not determined

Gas: not applicable

Lower explosion limits: 0,6 vol. %

Upper explosion limits: 7 vol. %

Auto-ignition temperature

Solid: not determined

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Vapour pressure:

(at 20 °C)

0,4 hPa

Density (at 20 °C): 1,08 g/cm³

Water solubility: not determ

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic:

(at 20 °C)

25000-30000 mPa·s

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 19,50 %

9.2. Other information

SECTION 10: Stability and reactivity

10.1 Reactivity: No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability: The product is stable under storage at normal ambient temperatures..

10.3 Possibility of hazardous reactions: No known hazardous reactions.

10.4 Conditions to avoid: none.

10.5 Incompatible materials: No information available.

10.6 Hazardous decomposition products: No known hazardous decomposition products..

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SECTION 11: Toxicological information

11.1 Information on toxicological effects.

Acute toxicity:

90622-58-5 aliphatic Hydrocarbones, C11-C13, isoalkanes		
Oral	LD50	>5000 mg/kg (rat) (OECD Richtlinien 401)
Dermal	LD50	>5000 mg/kg (rat) (OECD Richtlinien 402)
8042-47-5 white mineral oil (petroleum)		
Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402)
Inhalative 4h vapour	LD50	>5000 mg/kg (rat) (OECD 403)
55965-84-9 Isothiazolinone		
Oral	ATE	100 mg/kg
Dermal	ATE	300 mg/kg
Inhalative vapour	ATE	3 mg/l
Inhalative aerosol	ATE	0,5 mg/l

Additional information on tests This mixture is classified as not hazardous according to 1999/45/EC.

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this mixture

Aquatic toxicity:	
8042-47-5 white mineral oil (petroleum)	
Acute fish toxicity	LC50 >1000 mg/l 96 h <i>Leuciscus idus</i> (golden orfe)

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal: Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging: Wash with plenty of water. Completely emptied packages can be recycled.

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SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.1. UN number: 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)

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 information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code not applicable

SECTION 15: Regulatory information

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

Substance or mixture

EU regulatory information

1999/13/EC (VOC): 20,4 % (220,32 g/l)

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

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

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Substance/product listed in the following inventories

EINECS/ELINCS/NLP yes

NECI unknown

NZIoC unknown

TSCA yes

FDA unknown

CEPA unknown

DSL yes

KECI/ECL unknown

PICCS unknown

MITI unknown

IECSC unknown

AICS unknown

ISHL unknown

NDSL yes

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SECTION 16: Other information

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%

Relevant R-phrases (Number and full text)

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

43 May cause sensitisation by skin contact.

50 Very toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

Relevant H- and EUH-phrases (Number and full text)

H227 Combustible liquid.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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.