

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : EAP 320 Diesel-Winterzusatz

Revision date : 30.07.2018

Version (Revision) : 24.0.0 (23.0.0)

Print date : 01.08.2018

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

1.1 Product identifier

EAP 320 Diesel-Winterzusatz

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

Antifreeze Agent

1.3 Details of the supplier of the safety data sheet

Supplier : EUROLUB GmbH
Street : Freisinger Straße 25 – 27
Postal code/city : D 85386 Eching bei München
Telephone : +49 (0) 8165 / 95 91-0
Telefax : +49 (0) 8165 / 934 21 01
Information contact : info@eurolub.com

1.4 Emergency telephone number

+49 (0) 8165 / 95 91-0 (7:30 – 16:00 Uhr)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Danger

Hazard components for labelling

HYDROCARBONS, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Hazard statements

H304 May be fatal if swallowed and enters
H412 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P280 Wear protective gloves/goggles/face protection

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P302+P352 IF ON SKIN: Wash with plenty of water/...

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container according to local regulations

Additional information

P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P302+P352 - IF ON SKIN: Wash with plenty of water. P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

ORGANIC SOLVENTS

3.1 Substances

Substance name : HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS < 5% N-

HEXANE **EC No. :** 921-024-6

REACH No. : 01-2119475514-35

Purity : ≥ 90 - < 100 % [mass]

Hazardous components

N-HEXANE ; REACH registration No. : 01-2119480412-44 ; EC No. : 203-777-6; CAS No. : 110-54-3

Weight fraction : ≥ 1 - < 5 %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Repr. 2 ; H361f STOT RE 2 ; H373 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove affected person from the danger area and lay down. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Headache Impairment of vision Nausea Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

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5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO₂) Extinguishing powder Water spray

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

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

5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2 Environmental precautions

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

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). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

6.4 Reference to other sections

None

SECTION 7: Handling and storage



7.1 Precautions for safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Only use the material in places where open light, fire and other flammable sources can be kept away.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists
Take precautionary measures against static discharges.

Measures to prevent fire

Keep away from sources of ignition - No smoking. Usual measures for fire prevention. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers, equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools. Wear anti-static footwear and clothing Take precautionary measures against static discharges.

Measures to prevent aerosol and dust generation

Vapours/aerosols should be exhausted directly at the point of origin. Use only in well-ventilated areas.

Environmental precautions

Shafts and sewers must be protected from entry of the product.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class (VCI): 10

Storage class (TRGS 510) : 3

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7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS < 5% N-HEXANE

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 200 ppm / 1000 mg/m³

Peak limitation : 4

Remark : 31

Version : 05.02.2004

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Langzeit - systemisch

Limit value : 149 mg/kg

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Langzeit - systemisch

Limit value : 447 mg/m³

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Langzeit - systemisch

Limit value : 149 mg/kg

Limit value type : DNEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Langzeit - systemisch

Limit value : 300 mg/kg

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Langzeit - systemisch

Limit value : 2085 mg/m³

8.2 Exposure controls



Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type : Gloves with long cuffs

Suitable material : NBR (Nitrile rubber)

Breakthrough time : >= 480 min

Thickness of the glove material : 0,5 mm

Recommended glove articles : DIN EN 374

Additional hand protection measures : Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Remark : 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

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gloves.

Body protection

lab coat Overall

Suitable protective clothing : For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

Required properties : antistatic. flame-resistant heat-resistant

Recommended material : Natural fibres (e.g. cotton) heat-resistant synthetic fibres

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values / aerosol or mist formation.

Suitable respiratory protection apparatus

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

General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : paraffin

Safety relevant basis data

Melting point/melting range :			not determined	
Initial boiling point and boiling range :	(1013 hPa)		80,0 - 110,0	°C
Decomposition temperature :			No data available	
Flash point :		approx.	-20,0	°C DIN 51755 part 1
Ignition temperature :			250,0	°C
Oxidising liquids :			No data available.	
Lower explosion limit :			0,8	Vol-%
Upper explosion limit :			6,5	Vol-%
Explosive properties :			No data available.	
Vapour pressure 20°C):	(20 °C)		No data available	
Dichte :	(15 °C)	approx.	0,714	g/cm ³
Water solubility :	(20 °C)		not miscible	
pH-value:	(20 °C / conc.)		not applicable	
log P O/W :			No data available	
Cinematic viscosity :	(40 °C)	<	20,5	mm ² /s
Odour threshold :			No data available	
Relative vapour density :	(20 °C)		No data available	(air = 1)
Vapourisation rate :			No data available	(Ether = 1)
Maximum VOC content (EC) :	(20 °C)		100,0	Wt % gem. RL 1999/13/EG
Max. VOC content (Decopaint):	(20 °C)		100,0	Wt % gem. RL 2004/42/EG

9.2 Other information

no more data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

Formation of explosive mixtures with: Air. possible

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10.4 Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

10.5 Incompatible materials

Alkali (lye), concentrated. Acid, concentrated. Oxidising agent, strong.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

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

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg

Irritant and corrosive effects

Primary irritation to the skin

Causes skin irritation.

Irritation to eyes

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

Sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

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

Germ cell mutagenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

There are no data available on the preparation/mixture itself.

11.4 Other adverse effects

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Has degreasing effect on the skin.

11.5 Additional information

The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP] Toxicological data are not available.

SECTION 12: Ecological information

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12.1 Toxicity

Aquatic toxicity

Toxic to aquatic life with long lasting effects.

Acute (short-term) fish toxicity

Parameter : NOELR
Effective dose : 1 - 10 mg/l

Chronic (long-term) fish toxicity

Parameter : NOEC
Effective dose : 1 - 10 mg/l

Acute (short-term) daphnia toxicity

Parameter : NOELR
Effective dose : 1 - 10 mg/l

Chronic (long-term) daphnia toxicity

Parameter : NOEC
Effective dose : 0,1 - 1 mg/l

Acute (short-term) algae toxicity

Parameter : NOELR
Effective dose : 10 - 100 mg/l

12.2 Persistence and degradability

Biodegradation

Parameter : Biodegradation
Evaluation : Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

negative.

Adsorption/Desorption

12.5 Results of PBT and vPvB assessment

negative.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

Dispose according to legislation.

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (91/689/EEC) : 07 01 04*

13.2 Additional information

None

SECTION 14: Transport information

14.1 UN number

-

14.2 UN proper shipping name

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14.3 Transport hazard class(es)

Land transport (ADR/RID)

Sea transport (IMDG)

Class(es) :

EmS-No. :

Special provisions :

Hazard label(s) :

Air transport (ICAO-TI / IATA-DGR)

Class(es) :

Special provisions :

Hazard label(s) :

14.4 Packing group

14.5 Environmental hazards

Land transport (ADR/RID) :

Sea transport (IMDG) :

Air transport (ICAO-TI / IATA-DGR) :

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

Class : 2 (Significant hazardous to water)

15.2 Chemical safety assessment

No information available.

15.3 Additional information

None

SECTION 16: Other information

16.1 Indication of changes

07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

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

No information available.

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

H225

Highly flammable liquid and vapour.

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H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

16.5 Training advice

None

16.6 Additional information

None

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.
