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

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Printing date 13.04.2	021	V - 8.1	Revision: 13.04.2021
SECTION 1: Iden	tification of the s	ubstance/mixture and of the compar	ny/undertaking
· 1.1 Product ident	tifier		
 Application of th 	U00T-9U7V ntified uses of the e substance / the	e substance or mixture and uses adv mixture Cleaning agent/ Cleaner elevant information available.	ised against
 1.3 Details of the Manufacturer/Support 		afety data sheet	
ZESTRON a Business Divis Bunsenstrasse 6 D - 85053 Ingolsta Tel. +49 841 6359 www.zestron.com info@ZESTRON.c	adt 10 Fax +49 841 633		
		om: Safety department r: During business hours: +49 841 6352	3
SECTION 2: Haza	ards identification	1	
• 2.1 Classification • Classification ac Aerosol 1 Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	cording to Regul a H222-H229 Extra H315 Cau H336 May	e or mixture ation (EC) No 1272/2008 emely flammable aerosol. Pressurised o ses skin irritation. cause drowsiness or dizziness. ic to aquatic life with long lasting effects	
2.2 Label elemen	ts ing to Regulation ssified and labelled	(EC) No 1272/2008 d according to the CLP regulation.	
GHS02 GHS07 G	¥ HS09		
 Signal word Dang Hazard-determin Naphtha (petroleu Hazard statemen H222-H229 Extrem 	ing components (m), hydrotreated li ts		t if heated.
H315 Cause H336 May c	es skin irritation. ause drowsiness o to aquatic life with	-	
P210	Keep away from smoking.	heat, hot surfaces, sparks, open flames	and other ignition sources. No
P211 P251 P273 P280	Do not pierce or l Avoid release to t	an open flame or other ignition source. burn, even after use. the environment. gloves / eye protection.	
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(Contd. of page 1) P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

[.] 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of the substances with nonhazardous additions.

· Dangerous components:		
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	25-50%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 74-98-6	propane	20-50%
EINECS: 200-827-9	Flam. Gas 1A, H220; Press. Gas (Comp.), H280	
CAS: 106-97-8	butane	20-50%
EINECS: 203-448-7	Flam. Gas 1A, H220; Press. Gas (Comp.), H280	
CAS: 67-63-0	propan-2-ol	5-<10%
EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-xxxx	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 107-98-2	1-methoxy-2-propanol	1-5%
EINECS: 203-539-1	Flam. Liq. 3, H226; STOT SE 3, H336	
Reg.nr.: 01-2119457435-35		

SVHC None

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · General information: Take affected persons out into the fresh air.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Do not induce vomiting; call for medical help immediately.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

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SECTION 5: Firefighting measures

[•] 5.1 Extinguishing media

- *Suitable extinguishing agents:* CO2, sand, extinguishing powder. Do not use water. Alcohol resistant foam
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
 6.2 Environmental precautions: Do not allow to penetrate the ground/soil. Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- 6.4 Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. • **Information about fire - and explosion protection:**
- Keep ignition sources away Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility: Store away from oxidising agents.

• Further information about storage conditions: Protect from heat and direct sunlight.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

• 7.3 Specific end use(s) No further relevant information available.

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(Contd. of page 3) SECTION 8: Exposure controls/personal protection · 8.1 Control parameters · Ingredients with limit values that require monitoring at the workplace: 107-98-2 1-methoxy-2-propanol IOELV Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin · DNELs 64742-49-0 Naphtha (petroleum), hydrotreated light DNEL system. effects (long-term) 699 mg/kg (Consumer) Oral Dermal DNEL system. effects (long-term) 699 mg/kg (Consumer) 773 mg/kg (Worker) Inhalative DNEL system. effects (long-term) 608 mg/m³ (Consumer) 2,035 mg/m³ (Worker) 107-98-2 1-methoxy-2-propanol DNEL system. effects (long-term) 50.6 mg/kg (Worker) Dermal Inhalative DNEL system. effects (long-term) 369 mg/m³ (Worker) · PNECs 107-98-2 1-methoxy-2-propanol PNEC 10 mg/l (fresh water) · Additional information: The lists valid during the making were used as basis. · 8.2 Exposure controls · Appropriate engineering controls No further data; see item 7. · Individual protection measures, such as personal protective equipment • General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Ensure good ventilation/exhaustion at the workplace. · Respiratory protection: Not necessary if room is well-ventilated. Hand protection Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves Nitrile rubber, NBR The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye/face protection Tightly sealed goggles

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SECTION 9: Physical and chemical properties	
9.1 Information on basic physical and chemical pro	operties
General Information	
Physical state	Aerosol
Colour:	Colourless
	Clear
Odour:	Specific type
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	
range	-44 °C
Flammability	Not applicable.
Lower and upper explosion limit	4 7 1/- 10/
Lower:	1.7 Vol %
Upper:	10.9 Vol %
Flash point:	-97 °C Braduat is not solfigniting
Auto-ignition temperature:	Product is not selfigniting. Not determined.
Decomposition temperature:	Void
pH Viacocity	VOID
Viscosity:	Not dotormined
Kinematic viscosity	Not determined
Dynamic: Solubility	Not determined
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	8300 hPa
Density and/or relative density	0300 m a
Density and/or relative density Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Aerosol
Important information on protection of health and	
environment, and on safety.	
Ignition temperature:	425 °C
Explosive properties:	Not determined.
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container
·····	May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void



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Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flamm	nable	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:
- Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Store away from oxidising agents.
- **10.6 Hazardous decomposition products:** In case of fire, the following can be released: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

· LD/LC50 values relevant for classification:

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,000 mg/kg (rat)

Dermal LD50	>2,000 mg/kg (rat)
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Inhalative LC50/4 h >20 mg/l (rat)

106-97-8 butane

Inhalative LC50/4 h 658 mg/l (rat)

107-98-2 1-methoxy-2-propanol

Oral LD50 4,016 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rabbit)

· Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Based on available data, the classification criteria are not met.

• Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation Disposal must be made according to official regulations.

· European waste catalogue

16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 05 00 gases in pressure containers and discarded chemicals

16 05 04^{*} gases in pressure containers (including halons) containing hazardous substances

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information	
· 14.1 UN number or ID number · ADR, IMDG, IATA	UN1950
• 14.2 UN proper shipping name	
ADR	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
·IMDG	AEROSOLS (Naphtha (petroleum), hydrotreated light),
	MARINE POLLUTANT
·IATA	AEROSOLS, flammable

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14.3 Transport hazard class(es)	
ADR Class Label	2 5F Gases. 2.1
IMDG, IATA Class Label	2.1 2.1
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Code Segregation Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre Category A. For AEROSOLS with a capacity above 1 litre Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS:
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
<i>Transport/Additional information: ADR Limited quantities (LQ) Excepted quantities (EQ)</i>	1L Code: E0 Not permitted as Excepted Quantity
Transport category Tunnel restriction code	2 D
IMDG	
Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

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SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- Seveso category
- P3a FLAMMABLE AEROSOLS
- E2 Hazardous to the Aquatic Environment
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H220 Extremely flammable gas.

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008 Calculation method

Date of previous version: 13.04.2021

Version number of previous version: 8.0

· Abbreviations and acronyms: Flam. Gas 1A: Flammable gases - Category 1A Aerosol 1: Aerosols - Category 1 Press. Gas (Comp.): Gases under pressure - Compressed gas Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 * Data compared to the previous version altered.

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