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Safety data sheet

according to 1907/2006/EC, Article 31

Version: 4.00

Revision: 20 07 2017

Printing date 16.07.2018 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier Trade name: SONAX Engine Starter Article number: 03121000 1.2 Relevant identified uses of the substance or mixture and uses advised against Sector of Use SU21 Consumer uses: Private households / general public / consumers SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Application of the substance / the mixture Car care product 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: SONAX GmbH Münchener Straße 75 D-86633 Neuburg (Donau) Tel.: ++49 (0)8431/53-0 Further information obtainable from: Product safety E-mail: erp@sonax.de Phone: + +49 (0) 8431 53 217 1.4 Emergency telephone number: Emergency Phone Munich Tel.: +49 (0)89 19240 SECTION 2: Hazards identification 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. Aerosol 1 Skin Irrit. 2 H315 Causes skin irritation. Eve Irrit. 2 H319 Causes serious eve irritation. STOT SE 3 H336 May cause drowsiness or dizziness. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Hazard pictograms GHS02 GHS07 GHS09 Signal word Danger Hazard-determining components of labelling: diethyl ether Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H315 Causes skin irritation. Causes serious eye irritation. H319 H336 May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects. H411

Precautionary statements

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing spray.
- P271 Use only outdoors or in a well-ventilated area.

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P280	(Contd. of page 1) (Contd. of page 1)
	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional infori	nation:
Buildup of explos	ive mixtures possible without sufficient ventilation.
2.3 Other hazard	
Results of PBT a	and vPvB assessment
PBT: Not applica	ble.
vPvB: Not applic	able.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Formulation consisting of pressurised gas and solvents with additives

Dangerous components:		
CAS: 60-29-7 EINECS: 200-467-2 Reg.nr.: 01-2119535785-29-xxxxx	diethyl ether	20 - <25%
EC No 921-024-6 Reg.nr.: 01-2119475514-35-xxxx	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n- hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	15 - <20%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane Tiam. Gas 1, H220; Press. Gas C, H280	10 - <15%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane	10 - <15%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone	10 - <15%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane Tlam. Gas 1, H220; Press. Gas C, H280	3 - <5%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide	3 - <5%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-xxxx	1-Methoxy-2-propanol Flam. Liq. 3, H226; () STOT SE 3, H336	1 - <3%
CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41-xxxx	cyclohexane Flam. Liq. 2, H225; S Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	1 - <3%
CAS: 110-54-3 EINECS: 203-777-6 Reg.nr.: 01-2119480412-44-xxxx	n-hexane Flam. Liq. 2, H225; & Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	< 1.00%

Additional information:

Any entry in the EC-column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance. For the wording of the listed hazard phrases refer to section 16. **Hydrocarbon mixture:**

Benzene content < 0.1%

Cyclohexane is a part of the hydrocarbon mixture.

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n-Hexane is a part of the hydrocarbon mixture.

SECTION 4: First aid measures

4.1 Description of first aid measures General information: Take affected persons out of danger area and lay down. Remove soiled clothing After inhalation: Supply fresh air. In the event of irritation of the respiratory tract, dizziness, nausea or unconsciousness, call medical assistance immediately . After skin contact: Immediately wash with water and soap and rinse thoroughly. If symptoms persist consult 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 Headache Dizziness Drowsiness Nausea Skin irritation Eve irritation 4.3 Indication of any immediate medical attention and special treatment needed Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing agents: Foam Carbon dioxide Fire-extinguishing powder Water haze For safety reasons unsuitable extinguishing agents: Water with full jet 5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released: Carbon monoxide (CO) Carbon dioxide (CO2) Sulphur dioxide (SO2) 5.3 Advice for firefighters Protective equipment: Do not inhale explosion gases or combustion gases. Wear self-contained respiratory protective device. Wear fully protective suit. Additional information Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources. Ensure adequate ventilation Wear protective equipment. Keep unprotected persons away. **6.2 Environmental precautions:** Do not allow to penetrate the ground/soil. Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

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o.s methods and material for containment and cleaning up:	6.3 Methods and material for containment and c	leaning up:
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Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

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. Buildup of explosive mixtures possible without sufficient ventilation. Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

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

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

Highly volatile, flammable constituents are released during processing.

7.2 Conditions for safe storage, including any incompatibilities Storage:

 Requirements to be met by storerooms and receptacles:

 Provide solvent resistant, sealed floor.

 Observe official regulations on storing packagings with pressurised containers.

 Information about storage in one common storage facility: Store away from foodstuffs.

 Further information about storage conditions:

 Protect from heat and direct sunlight.

 Store receptacle in a well ventilated area.

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

 Recommended storage temperature: 20 ℃.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 60-29-7 diethyl ether			
WEL (Great Britain)	Short-term value: 620 mg/m³, 200 ppm Long-term value: 310 mg/m³, 100 ppm		
IOELV (EU)	Short-term value: 616 mg/m³, 200 ppm Long-term value: 308 mg/m³, 100 ppm		
CAS: 106-97-8 buta	ne		
WEL (Great Britain)	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)		
CAS: 67-64-1 aceto	ne		
WEL (Great Britain)	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm		
IOELV (EU)	Long-term value: 1210 mg/m³, 500 ppm		
CAS: 124-38-9 carb	on dioxide		
WEL (Great Britain)	Short-term value: 27400 mg/m³, 15000 ppm Long-term value: 9150 mg/m³, 5000 ppm		
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IOELV (El	1)	Long-term value: 9000 mg/m³, 5000 ppm	(Contd. of page
	-	Methoxy-2-propanol	
		n) Short-term value: 560 mg/m ³ , 150 ppm	
WEL (GIE	al Dilla	Long-term value: 375 mg/m³, 100 ppm Sk	
IOELV (EU)		Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin	
CAS: 110	-82-7 c	vclohexane	
WEL (Gre	at Brita	in) Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm	
IOELV (El	J)	Long-term value: 700 mg/m³, 200 ppm	
Regulator	ry infor	mation WEL (Great Britain): EH40/2011	
DNELs			
CAS: 60-2	29-7 die	thyl ether	
Oral	DNEL	15.6 mg/kg (consumer) (longterm systematic effects)	
Dermal	DNEL	15.6 mg/kg bw/day (consumer) (longterm systematic effects)	
		44 mg/kg bw/day (worker) (longterm systematic effects)	
Inhalative	DNEL	54.5 mg/m ³ (consumer) (longterm systematic effects)	
		616 mg/m ³ (worker) (acute short-term systematic effects)	
	DNEI	308 mg/m ³ (worker) (longterm systematic effects)	
Hydrocar		C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
Oral		699 mg/kg bw/day (consumer) (chronic exposition / systemic effects)	
Dermal		699 mg/kg bw/day (consumer) (chronic exposition / systemic effects)	
Dennai	DNEL		
		773 mg/kg bw/day (worker) (chronic exposition / systemic effects)	
Innalative	DNEL	608 mg/m ³ (consumer) (chronic exposition / systemic effects)	
		2035 mg/m ³ (worker) (chronic exposition / systemic effects)	
		Methoxy-2-propanol	
Oral		3.3 mg/kg (consumer) (long-term / systemic effects)	
Dermal	DNEL	18.1 mg/kg (consumer) (long-term / systemic effects)	
		50.6 mg/kg (worker) (long-term / systemic effects)	
Inhalative	DNEL	43.9 mg/m ³ (consumer) (long-term / systemic effects)	
		553.5 mg/m³ (worker) (short-term / local effects)	
	DNEL	369 mg/m³ (worker) (long-term / systemic effects)	
PNECs			
	9-7 die	thyl ether	
		sewage plant) (Assessment factor 10)	
	•	(water (intermittent release)) (Assessment Factor 100)	
	-	ter (fresh water)) (Assessment factor 50)	
	•	vater (sea water)) (Assessment factor 500)	
	-	g (sediment (fresh water))	
	-	kg (sediment (sea water))	
	66 mg/k		
		Methoxy-2-propanol	
PNEC 10			
		water (intermittent release))	
		vater (fresh water))	
		ter (sea water))	
PNEC 2.4	17 mg/k	g (gro)	
41	.6 mg/k	g (sediment (fresh water))	
	17 ma/k	g (sediment (sea water))	
4.1	/ mg/n		

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Additional information: The lists valid during the making were used as basis.
8.2 Exposure controls Suitable technical control devices Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn. Personal protective equipment:
<i>General protective and hygienic measures:</i> The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Respiratory protection: Ensure good ventilation/exhaustion at the workplace. If the occupational exposure limit is exceeded: The following breathing protection is recommended:
Respiratory filter for organic gases and vapours (Type A) Identification colour: Brown [DIN EN 14387]
Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of gloves
Naterial of gloves Nitrile rubber, NBR Recommended thickness of the material: ≥ 0.4 mm [EN 374]
Penetration time of glove material Value for the permeation: Level 6 (≥480min) Eye protection: Safety glasses [EN 166]

SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties **General Information** Appearance: Form: Aerosol Colourless Colour: Odour: Characteristic Odour threshold: Not determined. pH-value: Not applicable. Change in condition Melting point/freezing point: Undetermined. Initial boiling point and boiling range: 30 - 185 °C (Active ingredient data) Flash point: -40 ℃ (DIN 51755) (Active ingredient data) Flammability (solid, gas): Not applicable. Decomposition temperature: Not determined. Auto-ignition temperature: Not determined. Explosive properties: Not determined. In use, may form flammable/explosive vapour-air mixture. **Explosion limits:** Lower: 1.7 Vol.% (Main ingredient data) 1.5 Vol.% (Propellant data) (Contd. on page 7) GB

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Upper:	36.0 Vol.% (Main ingredient data) 10.9 Vol.% (Propellant data)	
Vapour pressure:	Not determined.	
Density at 20 °C:	0.74 - 0.75 g/cm ³ (Active ingredient data)	
Relative density	Not determined.	
Vapour density	Not determined.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
water:	Not miscible or difficult to mix.	
Partition coefficient: n-octanol/water:	Not determined.	
Viscosity:		
Flow time at 20 °C	10 - 12 s (DIN EN ISO 2431/4mm)	
	(Active ingredient data)	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

- 10.2 Chemical stability Stable under normal conditions.
- 10.3 Possibility of hazardous reactions Develops readily flammable gases/fumes.
- 10.4 Conditions to avoid

An increase in pressure may lead to bursting.

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

Keep ignition sources away - Do not smoke.

See Section 7 for information on safe handling.

10.5 Incompatible materials: strong oxidizing agents

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects There are no toxicological findings on this mixture. **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 60-2	9-7 diethyl?	ether
Oral	LD50	1215 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4d	97 mg/l (rat)
	LC 50/14d	2138 mg/kg (Poecilla reticulata)
Hydrocar	bons, C6-C	7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Oral	LD50	>5840 mg/kg (rat) (OECD 401)
Dermal	LD50	>2920 mg/kg (rat) (OECD 402)
Inhalative	LC50/4d	25.2 mg/l (rat) (OECD 403)
CAS: 106-	-97-8 butan	e
Inhalative	LC50/4d	658 mg/l (rat)
CAS: 67-6	4-1 aceton	e
Oral	LD50	4700-5800 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4d	76 mg/l (rat)
CAS: 107-	-98-2 1-Met	hoxy-2-propanol
Oral	LD50	4016 mg/kg (rat)
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Dermal	1050	
	LD50	>2000 mg/kg (rat)
	LC0 / 6h	>7000 ppm (rat)
)-82-7 cyclo	
Oral	LD50	12000 mg/kg (rat)
Dermal	LD50	>18000 mg/kg (rabbit)
CAS: 110)-54-3 n-he.	
Oral	LD50	5000 mg/kg (mouse)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4d	172 mg/l (rat)
Primary i	irritant effe	ct:
	r osion/irrita kin irritation	
O		
Causes s Respirat o		
Causes s Respirate On the ba	erious eye ory or skin	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method).
Causes s Respirato On the ba Repeateo	erious eye ory or skin asis of the a	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method). city
Causes s Respirato On the ba Repeateo CAS: 60-	erious eye ory or skin asis of the a d dose toxi 29-7 diethy	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method). city
Causes s Respirato On the ba Repeateo CAS: 60- Oral	erious eye pry or skin asis of the a dose toxi 29-7 diethy NOAEL	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method). city I ether
Causes s Respirato On the ba Repeated CAS: 60- Oral Inhalative CMR effe Germ cel Carcinog	erious eye l pory or skin asis of the a d dose toxi 29-7 diethy NOAEL NOAEC NOAEC tots (carcin unutageni penicity Bas	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method). city rl ether 500 mg/kg (Ratte)
Causes s Respirato On the ba Repeated CAS: 60- Oral Inhalative CAR effe Germ cel Carcinog Reproduc STOT-sir	erious eye ory or skin asis of the a dose toxi 29-7 diethy NOAEL NOAEL NOAEC NOAEC NOAEC tots (carcin uenicity Bas ctive toxici agle expos	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method). city 1 ether 500 mg/kg (Ratte) 13.8 mg/m ³ (rat) ogenity, mutagenicity and toxicity for reproduction) Contains n-hexane! icity Based on available data, the classification criteria are not met. sed on available data, the classification criteria are not met. ity Based on available data, the classification criteria are not met.
Causes s Respirato On the ba Repeated CAS: 60- Oral Inhalative CMR effe Germ cel Carcinog Reprodu STOT-sir May caus	erious eye i pry or skin asis of the a dose toxi 29-7 diethy NOAEL NOAEC NOAEC NOAEC mutageni tenicity Bas ctive toxici agle exposi- te drowsine	irritation. sensitisation vailable data, the classification criteria are not complied with (Conventional Method). city 1 ether 500 mg/kg (Ratte) 13.8 mg/m ³ (rat) cogenity, mutagenicity and toxicity for reproduction) Contains n-hexane! icity Based on available data, the classification criteria are not met. sed on available data, the classification criteria are not met. ity Based on available data, the classification criteria are not met. ity Based on available data, the classification criteria are not met. ity Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Product is considered to be harmful to aquatic organisms. May have long-term harmful effects in aquatic environments.

Aquatic toxic	ity:
CAS: 60-29-7	diethyl ether
LC50 / 96h	2560 mg/l (Pimephales promelas)
LC50 / 48h	2840 mg/l (Leuciscus idus)
EC50 / 72h	>100 mg/l (Desmodesmus subspicatus)
NOEC / 72 h	>100 mg/l (Desmodesmus subspicatus)
Hydrocarbon	s, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
LL50 / 96h	11.4 mg/l (Oncorhynchus mykiss) (OECD 203)
EL50 / 48h	3 mg/l (Daphnia magna) (OECD 202)
EL50 / 72h	30-100 mg/l (Pseudokirchneriella subcapitata)
LOEC	0.32 mg/l (Daphnia magna)
NOELR 72 h	3 mg/l (Pseudokirchneriella subcapitata)
NOEC / 21 d	0.17 mg/l (Daphnia magna)
CAS: 67-64-1	acetone
LC50 / 96h	5540 mg/l (Regenbogenforelle)
EC50 / 48h	8800 mg/l (Daphnia magna)
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	P-2 1-Methoxy-2-propanol	
LC50 / 96h	>6800 mg/l (Leuciscus idus) (DIN38412)	
LC50 / 48h	23300 mg/l (Daphnia magna)	
EC50	>1000 mg/l (Pseudokirchneriella subcapitata) (7d)	
EC50/3h	>1000 mg/l (activated sludge) (OECD 209)	
12.2 Persiste	ence and degradability	
Hydrocarbor	ns, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
•	ion 81 % (28d)	
	-2 1-Methoxy-2-propanol	
Biodegradiati	ion 90 - 100 % (OEECD 301E)	
	umulative potential	
Hydrocarbor	ns, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
log POW 3.4	1 - 5.2 log POW	
CAS: 67-64-1	1 acetone	
log POW -0.2	24 log POW	
CAS: 107-98	2-2 1-Methoxy-2-propanol	
log Kow -0.4	43 log Kow (25 °C)	
CAS: 110-54	-3 n-hexane	
log POW 3.9	log POW	
12.4 Mobility		
diethyl ether:		
	s, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane: e, will partition rapidly to air.	
	cological information:	
	es: The product may not be released into the environment without control.	
	of PBT and vPvB assessment Not applicable.	
PBT: Not app		
vPvB: Not ap		
••••••••••••••••••••••••••••••••••••••	dverse effects No further relevant information available.	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

 Dangerous waste in accordance with the Directive on the List of Waste Materials

 Recommendation Waste must be disposed of while observing the local, official regulations.

 European waste catalogue

 Disposal / product + Disposal / contaminated packaging

 15 01 10*

 packaging containing residues of or contaminated by dangerous substances

14.1 UN-Number		
ADR, IMDG, IATA	UN1950	
14.2 UN proper shipping	name	
ADR	1950 AEROSOLS	
IMDG	AEROSOLS	
IATA	AEROSOLS, flammable	



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14.3 Transport hazard class(es)
ADR	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
2	
	2.1
Class Label	2.1
	2.1
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	Yes
	absent due to package size =<5l
14.6 Special precautions for	user see Sections 6-8
	Warning: Gases.
Transport/Additional informa	ntion:
ADR	
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D
UN "Model Regulation":	UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture The following substance(s) in this product is (are) identified by CAS number either in countries not subject to the REACH regulation or in regulations not yet updated with the new naming convention for hydrocarbon solvents.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane: CAS 64742-49-0

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not 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.

- H224 Extremely flammable liquid and vapour.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

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	H302 Harmful if swallowed.
1	H304 May be fatal if swallowed and enters airways.
	H315 Causes skin irritation.
	H319 Causes serious eye irritation.
	H336 May cause drowsiness or dizziness.
	H361f Suspected of damaging fertility.
	H373 May cause damage to organs through prolonged or repeated exposure.
	H400 Very toxic to aquatic life.
- 1	H410 Very toxic to aquatic life with long lasting effects.
1	H411 Toxic to aquatic life with long lasting effects.
	Abbreviations and acronyms:
	PvB: very persistent and very bioaccumulative
	PBT: persistent, bioaccumulative, toxic
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
	nternational Transport of Dangerous Goods by Rail)
	IOEL = No Observed Effect Level IOEC = No Observed Effect Concentration
	C = letal Concentration
	C= relation relation and the concentration
	og POW = Octanol / water partition coefficient
	THS: Globally Harmonized System of Classification and Labelling of Chemicals
	ATE: acute toxicity estimate
	DR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage
	if Dangerous Goods by Road)
	MDG: International Maritime Code for Dangerous Goods ATA: International Air Transport Association
	INECS: European Inventory of Existing Commercial Chemical Substances
	ELINCS: European List of Notified Chemical Substances
	CAS: Chemical Abstracts Service (division of the American Chemical Society)
	DNEL: Derived No-Effect Level (REACH)
	NEC: Predicted No-Effect Concentration (REACH)
	C50: Lethal concentration, 50 percent D50: Lethal dose, 50 percent
	DSULEana dose, so percent OELV = indicative occupational exposure limit values
	Jam. Gas 1: Flammable gases – Category 1
	Nerosol 1: Aerosols – Category 1
	Press. Gas C: Gases under pressure – Compressed gas
	Press. Gas R: Gases under pressure – Refrigerated liquefied gas
	Flam. Liq. 1: Flammable liquids – Category 1
	Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3
	cute Tox 4 Acute toxicity – Category 4
	Skin Irrit. 2: Skin corrosion/irritation – Category 2
	Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
	Repr. 2: Reproductive toxicity – Category 2
	STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
	STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1
	Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
	quatic Chronic 1: Hazardous to the aquatic environment - local quatic hazard - Category 1
1	Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
3	Data compared to the previous version altered.
	GB