Printing date: 02.04.2024

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1 Identification of the substance/mixture and of the company/undertaking
· Product identifier
Trade name: TRIG-A-CAP® ASPHALT - Bituminous aerosol
Article number: 6301100000 / 10610 UFI: HQM5-G09W-F009-9QV5
 Relevant identified uses of the substance or mixture and uses advised against - Application of the substance / the mixture
Surface protection
Aerosol coating
 Details of the supplier of the safety data sheet Manufacturer/Supplier:
A.M.P.E.R.E. SYSTEM
3 rue Antoine Balard - Z.I. du Vert Galant 95310 Saint-Ouen-I'Aumône - FRANCE
Tel: + 33 1 34 64 72 72 / Fax: +33 1 30 37 55 17
fds@amperesystem.com
Emergency telephone number: UK : National Poisons Information Service - 0344 892 0111
Ireland : National Poisons Information Centre - Beaumont Hospital - PO Box 1297 Beaumont Road 9 Dublin : +353 1 809 2566 (Healthcare professionals-24/7) - +353 1 809 2166 (public, 8am - 10pm, 7/7)
2 Hazards identification
· Classification of the substance or mixture
flame
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
environment
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
· Label elements
· GHS label elements
The product is classified and labelled according to the Globally Harmonised System (GHS). • Hazard pictograms
GHS02 GHS07 GHS09
· Signal word Danger
Hazard-determining components of labelling:
Hydrocarbons,C9,aromatics Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Koolwaterstoffen, C6-C7, n-alkanen, iso-alkanen, cyclische verbindingen, <5% n-hexaan
(Contd. on page 2)

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butanone	(Contd. of page 1)
· Hazard staten	aanto
	atremely flammable aerosol. Pressurised container: May burst if heated.
	auses serious eye irritation. ay cause respiratory irritation. May cause drowsiness or dizziness.
	bxic to aquatic life with long lasting effects.
· Precautionary	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep out of reach of enhances. 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.
P260	Do not breathe mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P403	Store in a well-ventilated place.
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 inf	formation:
EUH066 Repe	ated exposure may cause skin dryness or cracking.
Buildup of exp	losive mixtures possible without sufficient ventilation.
· Other hazards	S
· Results of PB	Γ and vPvB assessment

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Γ

3 Composition/information on ingredients

· Chemical characterisation: Mixtures

· Description: Mixture of active substance with propellant

· Dangerous	components:

Dungerous components.		
CAS: 128601-23-0 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons,C9,aromatics Consisting of: 98-82-8 isopropylbenzene (<2%); 71-43-2 benzene (<0.1%)	10-<25%
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	
CAS: 8052-42-4 EINECS: 232-490-9 Reg.nr.: 01-2119480172-44	Asphalt	10-<25%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-<25%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	10-<25%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: UK-01-1376353405-7- 0007	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-<10%
e	(Co	ontd. on page 3

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	(Co	ontd. of page 2)
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Koolwaterstoffen, C6-C7, n-alkanen, iso-alkanen, cyclische verbindingen, <5% n-hexaan Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	2.5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane (containing < 0.1% butadiene (203-450-8), Note K) Flam. Gas 1A, H220; Press. Gas (Comp.), H280	2.5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8), Note K) Flam. Gas 1A, H220; Press. Gas (Comp.), H280	1-<2.5%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	0.1-<1%

· Additional information:

Aerosols and containers fitted with a solid atomizer containing substances or mixtures classified as hazardous by aspiration shall not be labelled for that hazard.

The text of the hazard statements mentioned here can be found in chapter 16.

4 First aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

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

No further relevant information available.

5 Firefighting measures

• Suitable extinguishing agents:

Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

- Special hazards arising from the substance or mixture No further relevant information available.
- · Protective equipment: Mount respiratory protective device.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
- Do not allow product to reach sewage system or any water course.

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

Do not allow to enter sewers/ surface or ground water.

- Methods and material for containment and cleaning up: Ensure adequate ventilation.
- · 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.

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7 Handling and storage

- · Handling:
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- · Information about fire and explosion protection:

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

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.

- · 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:
- Observe official regulations on storing packagings with pressurised containers.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see section 7.

8052-42-	-4 Asphalt		
WEL Sh	nort-term value: 10 mg/m ³		
Lo	ong-term value: 5 mg/m ³		
74-98-6	propane		
OEL LO	ong-term value: 1800 mg/m ³ , 1	000 ppm	
A	dditioneel ingevuld tbv klant v	oor Hfdst3 SDS	
78-93-3	butanone		
WEL Sh	ort-term value: 899 mg/m ³ , 30	0 ppm	
	ong-term value: 600 mg/m ³ , 20	0 ppm	
	x, BMGV		
106-97-8	8 butane (containing < 0.1%	butadiene (203-450-8), Note K)	
	nort-term value: 1810 mg/m ³ , 7		
	ong-term value: 1450 mg/m ³ , 6		
	arc (if more than 0.1% of buta-	·	
	· · · · · · · · · · · · · · · · · · ·	% butadiene (203-450-8), Note K)	
	ong-term value: 2400 mg/m ³ , 1		
	dditioneel ingevuld obv klant v	voor Hfdst 3 SDS	
64-17-5	ethanol		
WEL Lo	ong-term value: 1920 mg/m ³ , 1	000 ppm	
Regulate	ory information WEL: EH40/	2020	
DNELs			
128601-2	23-0 Hydrocarbons,C9,arom	atics	
Oral	DNEL Long term-systemic	11 mg/kg bw/day (Consumer)	
Dermal		11 mg/kg bw/day (Consumer)	
		25 mg/kg bw/day (Worker)	
Inhalativ	e DNEL Long term-systemic		

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		100 m / m 2 (W calcar)	(Contd. of page 4
II. J		100 mg/m3 (Worker)	
-		soalkanes, cyclics, <2% aromatics	
Oral	U I	125 mg/kg bw/day (Consumer)	
Dermal	DNEL Long term-systemic	125 mg/kg bw/day (Consumer)	
		208 mg/kg bw/day (Worker)	
Inhalative	DNEL Long term-systemic		
		871 mg/m3 (Worker)	
78-93-3 bi			
Oral		31 mg/kg bw/day (Consumer)	
Dermal	DNEL Long term-systemic	412 mg/kg bw/day (Consumer)	
		1161 mg/kg bw/day (Worker)	
Inhalative	DNEL Long term-systemic	106 mg/m3 (Consumer)	
		600 mg/m3 (Worker)	
Koolwate	rstoffen, C6-C7, n-alkanen	, iso-alkanen, cyclische verbindingen, <5% n-he	kaan
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)	
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)	
		773 mg/kg bw/day (Worker)	
Inhalative	DNEL Long term-systemic	608 mg/m3 (Consumer)	
		2035 mg/m3 (Worker)	
• Ingredien	ts with biological limit valu		
78-93-3 b	0		
BMGV 7			
	fedium: urine		
	ampling time: post shift		
P	arameter: butan-2-one		
	y information BMGV: EH4		
		id during the making were used as basis.	
	protective equipment: protective and hygienic mea	1611PAC+	
	y from foodstuffs, beverages		
	ly remove all soiled and con		
	ds before breaks and at the en	nd of work.	
	ale gases / fumes / aerosols.		
General ve	ry protection:		
		ice in case of insufficient ventilation.	
Filter A2/I			
· Protection	n of hands:		
MILL I	Protective gloves		
Selection of • Material of The select and varies resistance application Nitrile rub	of gloves ion of the suitable gloves doo from manufacturer to manuf of the glove material can not n.	ideration of the penetration times, rates of diffusion es not only depend on the material, but also on furth facturer. As the product is a preparation of several s t be calculated in advance and has therefore to be ch	er marks of quality ubstances, the
		-	(Contd. on page

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· 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 protection:

Safety glasses



Tightly sealed goggles

· Body protection:

Use protective suit. (EN-13034/6)

Fully skin-covering anti-static, chemical- and oil-resistant clothing and safety shoes are recommended. (EN1149; EN340&EN ISO 13688; EN13034-6).

· Limitation and supervision of exposure into the environment

Use an appropriate container to avoid environmental pollution.

9 Physical and chemical properties

· General Information	
Ocher al Information	
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Mixture is non-polar/aprotic.
· Melting point/freezing point:	Undetermined.
• Initial boiling point and boiling range:	-44.5 °C
· Flash point:	-97 °C
· Flammability (solid, gas):	Not applicable.
	270 °C
	Product is not selfigniting.
• Explosive properties:	Product is not explosive. However, formation of explosive air/
	vapour mixtures are possible.
· Explosion limits:	
· Lower:	0.6 Vol %
· Upper:	11.5 Vol %
	4900 hPa
	8500 hPa
Density at 20 °C:	0.748 g/cm ³
	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	7.500 - 10.500 Brookfield sp3 6 rpm
	4.000 - 6000 Brookfield sp3 12 rpm
· Kinematic:	Not determined.
· Organic solvents:	74.8 %
0	25.2 %

10 Stability and reactivity

· Reactivity No further relevant information available.

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known.

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- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

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

· LD/LC50 values relevant for classification:

120001-23	-o nyuroca	arbons,C9,aromatics
Oral	LD50	3492 mg/kg (Rat)
Dermal	LD50	>3160 mg/kg (Rabbit)
Inhalative	LC50 (4h)	>6193 mg/l (Rat) (Acute Inhalation Toxicity)
Hydrocar	bons, C9-C	11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Oral	LD50	>5000 mg/kg (Rat) (Acute Oral Toxicity)
Dermal	LD50	3160 mg/kg (Rabbit) (Acute Dermal Toxicity)
Inhalative	LC50 (4h)	>4951 mg/l (Rat)
	LC50 (4h)	4951 mg/m3 (Rat)
78-93-3 bu	ıtanone	
Oral	LD50	>2193 mg/kg (Rat)
Dermal	LD50	>5000 mg/kg (Rabbit)
		5000 mg/kg (Rabbit)
Inhalative	LC50 (4h)	34 mg/l (Rat)
Koolwater	rstoffen, C6	5-C7, n-alkanen, iso-alkanen, cyclische verbindingen, <5% n-hexaan
Oral	LD50	>5840 mg/kg (Rat)
Dermal	LD50	>2920 mg/kg (Rabbit)
Inhalative	LC50 (4h)	>25 mg/l (Rat)
· Skin corro	osion/irritat	tion Based on available data, the classification criteria are not met.

· Serious eye damage/irritation Causes serious eye irritation.

• 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 respiratory irritation. 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.

12 Ecological information

· Toxicity		
· Aquatic toxicity	/:	
128601-23-0 Hy	/drocarbons,C9,aromatics	
NOELR (72h)	1 mg/l (Pseudokirchneriella subcapitata)	
EL50 (48h)	3.2 mg/l (Daphnia magna)	
LL50 (96h)	h) 9.2 mg/l (Oncorhynchus mykiss)	
Hydrocarbons,	C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	
EL0 (48h)	1000 mg/l (Daphnia magna)	
NOELR (72h)	100 mg/l (Pseudokirchneriella subcapitata)	
EL50 (72h)	>1000 mg/l (Pseudokirchneriella subcapitata)	
·	(Contd. on page 8)	

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Safety data sheet according to 1907/2006/EC, Article 31. (2020/878)

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LL50 (96h)	>1000 mg/l (Onc)
78-93-3 butanon	ie
LC50 (96h)	2993 mg/l (Pimephales promelas)
EC50 (48h)	308 mg/l (Daphnia magna)
Koolwaterstoffe	n, C6-C7, n-alkanen, iso-alkanen, cyclische verbindingen, <5% n-hexaan
NOELR (72h)	3 mg/l (Pseudokirchneriella subcapitata)
EL50 (48h)	3 mg/l (Daphnia magna)
EL50 (72h)	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50 (96h)	11.4 mg/l (Oncorhynchus mykiss)
NOEC (21 days)	0.17 mg/l (Daphnia magna)
LOEC (21 days)	0.32 mg/l (Daphnia magna)
	degradability Not easily biodegradable
	vironmental systems:
	e potential No further relevant information available.
· Mobility in soil f	No further relevant information available.
• Remark: Toxic f	
	gical information:
· General notes:	8
Water hazard class	ss 2 (German Regulation) (Self-assessment): hazardous for water
	duct to reach ground water, water course or sewage system.
	ng water if even small quantities leak into the ground.
	or fish and plankton in water bodies.
Toxic for aquatic	
	and vPvB assessment
• PBT: Not applica	
• vPvB: Not applic	
	ffects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

UN-Number	
ADR, ADN, IMDG, IATA	UN1950
UN proper shipping name	
ADR, ADN	UN1950 AEROSOLS, ENVIRONMENTALLY
	HAZARDOUS
IMDG	AEROSOLS, MARINE POLLUTANT
ΙΑΤΑ	AEROSOLS, flammable

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Turner and barrend along (ag)	
• Transport hazard class(es)	
ADR	
· Class	2 5F Gases.
· Label	2.1
· ADN · ADN/R Class:	2 5F
· IMDG	
· Class · Label	2.1 Gases. 2.1
·IATA	
· Class · Label	2.1 Gases. 2.1
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards:	Product contains environmentally hazardous substances:
· Marine pollutant: · Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Code 	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity o litre: Category A. For AEROSOLS with a capacity
· Segregation Code	 above 1 litre: Category B. For WASTE AEROSOLS Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of litre: Segregation as for class 9. Stow "separated from" cl 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of cla 2. For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of cla 2.
• Transport in bulk according to Annex II of Mar and the IBC Code	pol Not applicable.

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· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· 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 $150\,t$
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:

· Breakdown regulations:

Class Share in %

NK 50-<75

- · VOC-CH 74.76 %
- · VOC-EU 559.2 g/l
- · Danish MAL Code 5-3
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

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 H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINICS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxie VPWB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values 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 2 Skin Irtit. 2: Skin corrosoloritritation – Category 2 Syne Trit. 2: Serious eye damage/eye irritation – Category 2 Syne Trit. 2: Serious eye damage/eye irritation – Category 2 Syne Trit. 2: Serious eye damage/eye irritation – Category 2<!--</th--><th>H319 Causes serious eye irritation. H335 May cause respiratory irritation. H335 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Mâleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent DBT: Persistent, Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas (S: Flammable liquids – Category 1 Acrosol 1: Acrosols – Category 1 Fress. 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 H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPVB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas 1A: Flammable gases – Category 1 Press. Gas (Comp.): Gases under pressure – Compressed gas Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 2 Skin Irtit. 2: Skin corrosolor/irtitation – Category 2 Syne Irtit. 2: Skincorosolor/irtitation – Category 2 Syne Irtit. 2: Serious eye damage/eye irritation – Category 2 Syne Irtit. 2: Serious eye damage/eye irritation – Category 2 Syne Irtit. 2: Serious eye damage/eye irritation – Category 2 Syne Irtit. 2: Serious eye damage/eye irritation – Catego	 H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). AbDeviations and acronyms: ADB: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Maritime Code for Dangerous Goods IMDG: International Miritime Code for Dangerous Goods IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Mâleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LCS0: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPWB: very Persistent and very Bioaccumulative AT: Flammable Inguids – Category 1 Aerosol 1: Aerosols – Category 1 Fress. Gas (Comp.): Gases under pressure – Compressed gas Flam. Liq. 3: Flammable Inguids – Category 2 Flam. Liq. 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 	H315 Causes skin irritation.
H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Ist of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måleteknisk Arbeidshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LCS0: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas 1A: Flammable gases – Category 1 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: Skrious eye damage/eye irritation – Category 2 Skin Irrit. 2: Skrious eye damage/eye irritation – Category 2 Stor TSE 3: Specific target organ toxicity (single exposure) – Category 3 Asp. Tox. 1: Aspiration hazard – Category 1	H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINECS: European List of Notified Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måletkenisk Arbeidshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent DS1: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas 1A: Flammable Igaes – Category 1 Press. Gas (Conp.): Gases under pressure – Compressed gas Flam. Liq. 3: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 2 Flam. Liz, 3: Specific target organ toxicity (single exposure) – Category 3 Skin Irrit. 2: Skin corrosion/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	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 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Ist of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måleteknisk Arbeidshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LCS0: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas 1A: Flammable gases – Category 1 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: Skrious eye damage/eye irritation – Category 2 Skin Irrit. 2: Skrious eye damage/eye irritation – Category 2 Stor TSE 3: Specific target organ toxicity (single exposure) – Category 3 Asp. Tox. 1: Aspiration hazard – Category 1	H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINECS: European List of Notified Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måletkenisk Arbeidshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent DS1: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas 1A: Flammable Igaes – Category 1 Press. Gas (Conp.): Gases under pressure – Compressed gas Flam. Liq. 3: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 2 Flam. Liz, 3: Specific target organ toxicity (single exposure) – Category 3 Skin Irrit. 2: Skin corrosion/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	H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international 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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Mâleteknisk Arbeigdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LCS0: Ethal dose, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas IA: 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 3 Skin Irrit. 2: Serious eye damage/eye irritation – Category 3 Skin Irrit. 2: Serious eye damage/eye irritation – Category 3 Skin Irrit. 2: Serious eye damage/eye irritation – Category 3 Skin Irrit. 4: Aspiration hazard – Category 1	H411 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula). Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Air Transport Association EINECS: European List of Notified Chemical Substances ELINCS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måleteknisk Arbeidshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPVB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Flam. Gas 1A: Flammable Igauis – Category 1 Acrosol 1: Aerosols – Category 1 Press. Gas (Comp.): Gases under pressure – Compressed gas Flam. Liq. 3: Flammable liquids – Category 2 Flam. Lig. 3: Flammable liquids – Category 2 Stori 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	
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