SAFETY DATA SHEET

novatio

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

SAFETY CLEAN FS AEROSOL

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

1.1. Product identifier

Product name **Registration number REACH** Product type REACH

: SAFETY CLEAN FS AEROSOL

: Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses

Detergent according to Regulation (EC) No 648/2004

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

Novatio* Industrielaan 5B B-2250 Olen +32 14 25 76 40 **▲** +32 14 22 02 66 info@novatio.be *NOVATIO is a registered trademark of Novatech International N.V.

Manufacturer of the product

Novatech International N.V. Industrielaan 5B B-2250 Olen +32 14 85 97 37 ₲ +32 14 85 97 38 info@novatech.be

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) : +32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008 Class Hazard statements Category Aerosol category 1 H222: Extremely flammable aerosol.

Aerosol	category 1	H229: Pressurised container: May burst if heated.			
STOT SE	category 3	H336: May cause drowsiness or dizziness.			
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.			

2.2. Label elements

Revision number: 0100



Signal word	Danger		
H-statements			
H222	Extremely flammable aerosol.		
H229	Pressurised container: May burst if heated.		
H336	May cause drowsiness or dizziness.		
H412	Harmful to aquatic life with long lasting effects	S.	
P-statements			
P210	Keep away from heat, hot surfaces, sparks, op	en flames and other ignition sources. No smoking.	
P211	Do not spray on an open flame or other ignitic	on source.	
P251	Do not pierce or burn, even after use.		
P261	Avoid breathing spray.		
by: Brandweerinformat	iecentrum voor gevaarlijke stoffen vzw (BIG)	Publication date: 2020-07-24	-en
che Schoolstraat 43 A, B	-2440 Geel	Date of revision: 2022-04-20	033
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ZW			162
for revision: 3.2, 9, 12			878-16239-033
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Created b Technische Schoolstraat 43 A, B-2440 Geel http://www.big.be © BIG vzw Reason for revision: 3.2, 9, 12

BIG number: 66149

1/12

P304 + P340 P410 + P412 Supplemental information FUH066 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F.

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No List No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics 01-2119471843-32	927-241-2	C≤80%	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 3; H412 EUH066	(1)(10)	UVCB	
butane 01-2119474691-32	106-97-8 203-448-7	C≤20%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)(21)	Propellant	
propane 01-2119486944-21	74-98-6 200-827-9	C≤9%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant	

(1) For H- and EUH-statements in full: see section 16

(2) Substance with a Community workplace exposure limit

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

(21) 1,3-butadiene <0.1%

Note: numbers 9xx-xxx-x are provisional list numbers assigned by Echa pending an official EC inventory number

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

After eye contact:

Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:

Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms

After inhalation:
Dizziness. Drowsiness.

After skin contact:

ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

After eye contact:

No effects known.

4.2.2 Delayed symptoms

No effects known.

4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

Reason for revision: 3.2, 9, 12

Publication date: 2020-07-24 Date of revision: 2022-04-20

BIG number: 66149

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Water, Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher. Major fire: Quantities of water.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed. Pressurised container: May burst if heated.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

6.1.2 Protective equipment for emergency responders Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

Contain released product. Dam up the liquid spill.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See section 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Avoid prolonged and repeated contact with skin. Remove contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Keep out of direct sunlight. Keep container in a well-ventilated place. Fireproof storeroom. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources.

7.2.3 Suitable packaging material:

Aerosol

7.2.4 Non suitable packaging material: No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

Belgium

Reason for revision: 3.2, 9, 12

Publication date: 2020-07-24 Date of revision: 2022-04-20

Revision number: 0100

BIG number: 66149

	-butane	Short time value			980 ppm
		Short time value			2370 mg/r
Hydrocarbures aliphatiqu (Alcanes C1-C3)	es sous forme gazeuse:	Time-weighted average	exposure limit 8 h		1000 ppm
France					
n-Butane		Time-weighted average réglementaire indicative	exposure limit 8 h (VL: Valeur no	on	800 ppm
		Time-weighted average	exposure limit 8 h (VL: Valeur no	on	1900 mg/r
		réglementaire indicative	?)		
Germany Butan		Time-weighted average	exposure limit 8 h (TRGS 900)		1000 ppm
			exposure limit 8 h (TRGS 900)		2400 mg/r
Propan			exposure limit 8 h (TRGS 900)		1000 ppm
			exposure limit 8 h (TRGS 900)		1800 mg/
Austria					
Butan (beide Isomeren): n 500a)	n-Butan (R 600) Isobutan (R	Tagesmittelwert (MAK)			800 ppm
		Tagesmittelwert (MAK)			1900 mg/i
		Kurzzeitwert 60(Mow) 3	x (MAK)		1600 ppm
		Kurzzeitwert 60(Mow) 3	x (MAK)		3800 mg/
Propan (P. 200)		Tagaarita ku (AAAM)			1000
Propan (R 290)		Tagesmittelwert (MAK)			1000 ppm
		Tagesmittelwert (MAK)	(5.6.6.17)		1800 mg/
		Kurzzeitwert 60(Mow) 3	· · ·		2000 ppm
		Kurzzeitwert 60(Mow) 3	x (MAK)		3600 mg/
JK					1.000
Butane		(EH40/2005))	exposure limit 8 h (Workplace e		600 ppm
		(EH40/2005))	exposure limit 8 h (Workplace e	•	1450 mg/
		Short time value (Workp	blace exposure limit (EH40/2005))	750 ppm
		Short time value (Workp	blace exposure limit (EH40/2005))	1810 mg/
JSA (TLV-ACGIH)					
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Full face mask with filter type A at conc. in air > exposure limit.

b) Hand protection: Protective gloves against chemicals (EN 374)

	Measured breakthrough time	Thickness	Protection index	Remark
nitrile rubber	> 480 minutes	0.35 mm	Class 6	

c) Eye protection:

Protective goggles (EN 166).

d) Skin protection:

Head/neck protection. Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Aerosol
Odour	Characteristic odour
Odour threshold	No data available in the literature
Colour	No data available on colour
Particle size	Not applicable (aerosol)
Explosion limits	0.6 - 9.5 vol %
Flammability	Extremely flammable aerosol.
Log Kow	Not applicable (mixture)
Dynamic viscosity	1 mPa.s ; 20 °C ; Liquid
Kinematic viscosity	1 mm²/s ; 40 °C ; Liquid
Melting point	No data available in the literature
Boiling point	-42 °C - 166 °C ; Liquid
Relative vapour density	No data available in the literature
Vapour pressure	8530 hPa ; 20 °C
Solubility	Water ; insoluble
Relative density	0.76 ; 20 °C ; Liquid
Absolute density	764 kg/m³ ; 20 °C ; Liquid
Decomposition temperature	No data available in the literature
Auto-ignition temperature	Not applicable (aerosol)
Flash point	Not applicable (aerosol)
рН	Not applicable (aerosol)

9.2. Other information

Evaporation rate

0.35 ; Butyl acetate ; Liquid

SECTION 10: Stability and reactivity

10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

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

11.1.1 Test results

Acute toxicity

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Reason for revision: 3.2, 9, 12

Judgement is based on the relevant ingredients hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	Equivalent to OECD	> 15000 mg/kg bw		Rat (male /	Read-across	
		401			female)		
Dermal	LD50	Equivalent to OECD	> 3160 mg/kg bw	24 h	Rabbit (male /	Read-across	
		402			female)		
Inhalation (vapours)	LC50	Equivalent to OECD	> 6.1 mg/l air	4 h	Rat (male /	Experimental value	
		403	-		female)		

Conclusion

Not classified for acute toxicity

Corrosion/irritation

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Route of exposure	Result	Method	Exposure time	Time point		Value determination	Remark
Eye		Equivalent to OECD 405		24; 48; 72 hours	Rabbit		Single treatment without rinsing
Skin	Not irritating	Equivalent to OECD 404	4 h	24; 48; 72 hours	Rabbit	Read-across	

Conclusion

Not classified as irritating to the respiratory system Not classified as irritating to the skin Not classified as irritating to the eyes

Respiratory or skin sensitisation

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Route of exposure	Result	Method	 Observation time point	Species	Value determination	Remark
Skin	0	Equivalent to OECD 406		Guinea pig (female)	Read-across	

Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

Specific target organ toxicity

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Classification is based on the relevant ingredients hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	· · · · · ·	Value determination
Oral (stomach tube)	NOAEL	EPA OPP 82-1	≥ 500 mg/kg bw/day			13 weeks (7 days / week)	Rat (male / female)	Read-across
Dermal								Data waiving
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	> 6000 mg/m ³ air			13 weeks (6h / day, 5 days / week)	· · ·	Experimental value
Inhalation			STOT SE cat.3		Drowsiness, dizziness			Literature study

Conclusion

May cause drowsiness or dizziness.

Not classified for subchronic toxicity

Mutagenicity (in vitro)

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available Judgement is based on the relevant ingredients

Reason for revision: 3.2, 9, 12

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)		Read-across	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)		Read-across	

Mutagenicity (in vivo)

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Oral (stomach tube))	Equivalent to OECD		Mouse (male / female)		Read-across
	474				

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

1	Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
e	exposure								
	Dermal	NOAEL	Carcinogenic	50 %	52 week(s)		No carcinogenic		Experimental value
L			toxicity study				effect		

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

	Parameter	Method	Value	Exposure time	Species	Effect	- 0.	Value determination
Developmental toxicity (Inhalation (vapours))	NOAEL		≥ 5220 mg/m³ air	10 days (6h / day)	Rat	No effect		Experimental value
Maternal toxicity (Inhalation (vapours))	NOAEL		≥ 5220 mg/m³ air	10 days (6h / day)	Rat	No effect		Experimental value

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

SAFETY CLEAN FS AEROSOL

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Route of	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value
exposure								determination
					Skin dryness or			Literature study
					cracking			

Conclusion

Repeated exposure may cause skin dryness or cracking.

Chronic effects from short and long-term exposure

SAFETY CLEAN FS AEROSOL

No effects known.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

Reason for revision: 3.2, 9, 12

SECTION 12: Ecological information

12.1. Toxicity

SAFETY CLEAN FS AEROSOL

No (test)data on the mixture available

Classification is based on the relevant ingredients hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	10 mg/l - 30 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EL50	OECD 202	22 mg/l - 46 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	NOELR	OECD 201	< 1 mg/l	72 h	Pseudokirchneri ella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish	NOELR		0.182 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	QSAR; Nominal concentration
Long-term toxicity aquatic crustacea	NOELR		0.317 mg/l	21 day(s)	Daphnia magna		Fresh water	QSAR; Reproduction

Conclusion

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Method	Value	Duration	Value determination
OECD 301F		28 day(s)	Experimental value

Conclusion

Water

Does not contain any not readily biodegradable component(s)

12.3. Bioaccumulative potential

Biodegradation water

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Lo	og Kow				
[Method	Remark	Value	Temperature	Value determination
[Not applicable (mixture)			

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

BCF fishes

Parameter	Method	Value	Duration	Species		Value determination		
BCF	BCFBAF v3.	00 6.91 l/kg - 158	32.4	Pisces		QSAR		
		l/kg						
og Kow	ng Kow							
Method		Remark	Value		Temperature	Value determination		
			1.99 - 5.25			QSAR		

Conclusion

Contains bioaccumulative component(s)

12.4. Mobility in soil

hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

(log) Koc

Parameter	Method	Value	Value determination
log Koc		4.16 - 5.88	QSAR

Conclusion

Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

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Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Reason for revision: 3.2, 9, 12

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

20 01 29* (separately collected fractions (except 15 01): detergents containing hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14. <u>1. UN number</u>	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Hazard identification number	
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14. <u>1. UN number</u>	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Hazard identification number	23
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

Reason for revision: 3.2, 9, 12

14. <u>1</u> . UN number	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

14. <u>1. UN number</u>	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Class	2.1
14. <u>4. Packing group</u>	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Marine pollutant	-
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	277
Special provisions	327
Special provisions	344
Special provisions	381
Special provisions	63
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
14.7. Maritime transport in bulk according to IMO instruments	
Annex II of MARPOL 73/78	Not applicable

Air (ICAO-TI/IATA-DGR)

14. <u>1. UN number</u>		
UN number	1950	
2. UN proper shipping name		
Proper shipping name	aerosols, flammable	
3. Transport hazard class(es)		
Class	2.1	
14.4. Packing group		
Packing group		
Labels	2.1	
14.5. Environmental hazards		
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions	A145	
Special provisions	A167	
Special provisions	A802	
Passenger and cargo transport		
Limited quantities: maximum net quantity per packaging	30 kg G	

Reason for revision: 3.2, 9, 12

SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture **European legislation:** VOC content Directive 2010/75/EU VOC content Remark 100 % 709.999 g/l Directive 2012/18/EU (Seveso III) Threshold values under normal circumstances Substance or category Low tier Top tier Group For this substance or mixture (tonnes) (tonnes) the summation rule has to be applied for: P3b FLAMMABLE AEROSOLS 5000 (net) 50000 (net) Flammability None Ingredients according to Regulation (EC) No 648/2004 and amendments ≥30% aliphatic hydrocarbons **REACH Annex XVII - Restriction** Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles. Designation of the substance, of the group of Conditions of restriction substances or of the mixture Liquid substances or mixtures fulfilling the hvdrocarbons, C9-10, n-alkanes. 1. Shall not be used in: ornamental articles intended to produce light or colour effects by means of different isoalkanes, cyclics, < 2% aromatics criteria for any of the following hazard classes or categories set out in Annex I to Regulation phases, for example in ornamental lamps and ashtrays, (EC) No 1272/2008: tricks and jokes, (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 games for one or more participants, or any article intended to be used as such, even with types A and B, 2.9, 2.10, 2.12, 2.13 categories ornamental aspects 1 and 2, 2.14 categories 1 and 2, 2.15 types A 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for (b) hazard classes 3.1 to 3.6, 3.7 adverse fiscal reasons, or perfume, or both, if they: effects on sexual function and fertility or on can be used as fuel in decorative oil lamps for supply to the general public, and, development, 3.8 effects other than narcotic present an aspiration hazard and are labelled with H304, effects, 3.9 and 3.10; 4. Decorative oil lamps for supply to the general public shall not be placed on the market (c) hazard class 4.1: unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN). (d) hazard class 5.1. 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps may lead to life- threatening lung damage"; b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010. hydrocarbons, C9-10, n-alkanes, Substances classified as flammable gases 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol soalkanes, cyclics, < 2% aromatics category 1 or 2, flammable liquids categories dispensers are intended for supply to the general public for entertainment and decorative 1, 2 or 3, flammable solids category 1 or 2, purposes such as the following: substances and mixtures which, in contact metallic glitter intended mainly for decoration, with water, emit flammable gases, category 1, artificial snow and frost, 2 or 3, pyrophoric liquids category 1 or "whoopee" cushions pyrophoric solids category 1, regardless of silly string aerosols,

whether they appear in Part 3 of Annex VI to

that Regulation or not.

imitation excrement,

horns for parties,
 decorative flakes and foams,
 artificial cobwebs,
 stink bombs.

and indelibly with: "For professional users only".

National legislation Belgium SAFETY CLEAN FS AEROSOL

No data available

National legislation The Netherlands

Reason for revision: 3.2, 9, 12

Publication date: 2020-07-24 Date of revision: 2022-04-20

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the

referred to Article 8 (1a) of Council Directive 75/ 324/EEC.

market unless they conform to the requirements indicated.

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Waterbezwaarlijkheid

Z (2); Algemene Beoordelingsmethodiek (ABM)

National legislation France SAFETY CLEAN FS AEROSOL

JAILIT CLEANTS ALIC

No data available

National legislation Germany

<u> </u>	SAFETT CLEAN FS AEROSOL		
	Lagerklasse (TRGS510)	2B: Aerosolpackungen und Feuerzeuge	
	WGK	2; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017	
hydrocarbons, C9-10, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
	TA-Luft	5.2.5/I	

National legislation Austria

SAFETY CLEAN FS AEROSOL

No data available

National legislation United Kingdom

SAFETY CLEAN FS AEROSOL

No data available

Other relevant data SAFETY CLEAN FS AEROSOL

No data available

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3:

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H226 Flammable liquid and vapour.

H229 Pressurised container: May burst if heated.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

Reason for revision: 3.2, 9, 12