



SOLAERO Etikettenlöser 71005

Revision date: 08.04.2024

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

1.1. Product identifier

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

Use of the substance/mixture

Aerosol - Washing and cleaning products

1.3. Details of the supplier of the safety data sheet

Company name:	Friedrich Huber aeronova GmbH & Co.	
Street:	Sobrigauer Weg 4	
Place:	D-01257 Dresden	
Telephone:	0049-(0)351-27046-0	Telefax: 0049-(0)351-2704616
E-mail:	info@aeronova.de	
Contact person:	Labor	Telephone: 0049-(0)351-2704615
E-mail:	labor@aeronova.de	
Internet:	www.aeronova.de	

1.4. Emergency telephone number: 0049-(0)351-27046-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317
STOT SE 3; H336
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
Orange, sweet, ext.
Propan-2-ol
Linalool

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.



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H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

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.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity
	EC No Index No REACH No	
	Classification (Regulation (EC) No 1272/2008)	
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	45 - < 50 %
	920-750-0 01-2119473851-33	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411 EUH066	
8028-48-6	Orange, sweet, ext.	20 - < 25 %
	232-433-8 01-2119493353-35	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3; H226 H315 H317 H304 H400 H412	
106-97-8	butane	15 - < 20 %
	203-448-7 601-004-00-0 01-2119474691-32	
	Flam. Gas 1, Liquefied gas; H220 H280	
67-63-0	Propan-2-ol	5 - < 10 %
	200-661-7 603-117-00-0 01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
74-98-6	propane	5 - < 10 %
	200-827-9 601-003-00-5 01-2119486944-21	
	Flam. Gas 1, Liquefied gas; H220 H280	
78-70-6	Linalool	0.1 - < 0.5 %
	201-134-4 01-2119474016-42	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317	

Full text of H and EUH statements: see section 16.



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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
	920-750-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	45 - < 50 %
		inhalation: LC50 = > 23,3 mg/l (vapours); dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = >5000 mg/kg	
8028-48-6	232-433-8	Orange, sweet, ext.	20 - < 25 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg Aquatic Acute 1; H400: M=1	
67-63-0	200-661-7	Propan-2-ol	5 - < 10 %
		dermal: LD50 = 13900 mg/kg; oral: LD50 = 5840 mg/kg	
78-70-6	201-134-4	Linalool	0.1 - < 0.5 %
		dermal: LD50 = 5610 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons, perfumes (Limonene, Linalool).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.
If medical advice is needed, have product container or label at hand.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician in any case!

After contact with skin

Take off immediately all contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After contact with eyes

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

After ingestion

Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurized container: May burst if heated. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.



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Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. The vapour is heavier than air and may travel along the ground; distant ignition possible.

For non-emergency personnel

Ventilate affected area. Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

6.3. Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not pierce or burn, even after use. If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Do not breathe gas/vapour/aerosol.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Further information on handling

Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.



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Further information on storage conditions

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Aerosol - Washing and cleaning products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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DNEL/DMEL values

CAS No	Name of agent		
DNEL type	Exposure route	Effect	Value
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics		
Worker DNEL, long-term	dermal	systemic	773 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	2035 mg/m ³
Consumer DNEL, long-term	dermal	systemic	699 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	608 mg/m ³
Consumer DNEL, long-term	oral	systemic	699 mg/kg bw/day
8028-48-6	Orange, sweet, ext.		
Consumer DNEL, long-term	oral	systemic	4,44 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	4,44 mg/kg bw/day
Worker DNEL, long-term	dermal	systemic	8,89 mg/kg bw/day
Consumer DNEL, acute	dermal	local	0,0929 mg/cm ²
Worker DNEL, acute	dermal	local	0,1858 mg/cm ²
Consumer DNEL, long-term	inhalation	systemic	7,78 mg/m ³
Worker DNEL, long-term	inhalation	systemic	31,1 mg/m ³
67-63-0	Propan-2-ol		
Worker DNEL, acute	inhalation	systemic	1000 mg/m ³
Consumer DNEL, acute	inhalation	systemic	178 mg/m ³
Consumer DNEL, acute	oral	systemic	51 mg/kg bw/day
Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	500 mg/m ³
Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	89 mg/m ³
Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day
78-70-6	Linalool		
Worker DNEL, long-term	inhalation	systemic	2,8 mg/m ³
Worker DNEL, acute	inhalation	systemic	16,5 mg/m ³
Worker DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term	dermal	local	3 mg/cm ²
Worker DNEL, acute	dermal	local	3 mg/cm ²
Consumer DNEL, long-term	inhalation	systemic	0,7 mg/m ³
Consumer DNEL, acute	inhalation	systemic	4,1 mg/m ³
Consumer DNEL, long-term	dermal	systemic	1,25 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	1,5 mg/cm ²
Consumer DNEL, acute	dermal	local	1,5 mg/cm ²
Consumer DNEL, long-term	oral	systemic	0,2 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	1,2 mg/kg bw/day



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PNEC values

CAS No	Name of agent		Value
Environmental compartment			
8028-48-6	Orange, sweet, ext.		
Freshwater			0,0054 mg/l
Freshwater (intermittent releases)			0,00577 mg/l
Marine water			0,00054 mg/l
Freshwater sediment			1,3 mg/kg
Marine sediment			0,13 mg/kg
Micro-organisms in sewage treatment plants (STP)			2,1 mg/l
Soil			0,261 mg/kg
67-63-0	Propan-2-ol		
Freshwater			140,9 mg/l
Freshwater (intermittent releases)			140,9 mg/l
Marine water			140,9 mg/l
Freshwater sediment			552 mg/kg
Marine sediment			552 mg/kg
Secondary poisoning			160 mg/kg
Micro-organisms in sewage treatment plants (STP)			2251 mg/l
Soil			28 mg/kg
78-70-6	Linalool		
Freshwater			0,2 mg/l
Freshwater (intermittent releases)			2 mg/l
Marine water			0,02 mg/l
Freshwater sediment			2,22 mg/kg
Marine sediment			0,222 mg/kg
Secondary poisoning			7,8 mg/kg
Micro-organisms in sewage treatment plants (STP)			10 mg/l
Soil			0,327 mg/kg

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/vapour/aerosol. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection. Suitable eye protection: goggles EN 166

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) EN ISO 374

Thickness of the glove material: > 0,3 mm.



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Breakthrough time: > =480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear anti-static footwear and clothing .

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Suitable respiratory protection apparatus:
Combination filtering device A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: colourless - light yellow
Odour: fruity

Test method

Melting point/freezing point: not relevant
Boiling point or initial boiling point and boiling range: < -20 °C
Flammability: not determined
Lower explosion limits: 0,6 vol. %
Upper explosion limits: 10,9 vol. %
Flash point: < -20 °C
Auto-ignition temperature: 235 °C
Decomposition temperature: not relevant
pH-Value: not applicable
Viscosity / kinematic: not applicable
Water solubility: practically insoluble
(at 20 °C)
Solubility in other solvents: not determined
Partition coefficient n-octanol/water: not relevant
Vapour pressure: not determined
Vapour pressure: DIN 51640
Density (at 20 °C): 0,715 g/cm³
Relative vapour density: not relevant
Particle characteristics: not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Heating may cause an explosion. In use may form flammable/explosive vapour-air mixture.

Sustaining combustion:

No data available

Self-ignition temperature

Solid:

not relevant

Gas:

not relevant

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate:

not relevant

Solid content:

not applicable

Viscosity / dynamic:

not applicable



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SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 > 2800 - 3100 mg/kg	Rat	Study report (1977)	The acute toxicity of SBP 100/140 was de
	inhalation (4 h) vapour	LC50 > 23,3 mg/l	Rat	Study report (1988)	OECD Guideline 403
8028-48-6	Orange, sweet, ext.				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1973)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1973)	OECD Guideline 402
67-63-0	Propan-2-ol				
	oral	LD50 5840 mg/kg	Rat		OECD 401
	dermal	LD50 13900 mg/kg	Rabbit		OECD 402
78-70-6	Linalool				
	dermal	LD50 5610 mg/kg	Rabbit	Study report (1970)	OECD Guideline 402

Irritation and corrosivity



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Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Orange, sweet, ext.; Linalool)

Carcinogenic/mutagenic/toxic effects for reproduction

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

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

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

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.



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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics					
	Acute fish toxicity	LL50 mg/l	3 - 10	96 h	Oncorhynchus mykiss	Study report (1995) OECD Guideline 203
	Acute algae toxicity	ErC50	12 mg/l	72 h	Raphidocelis subcapitata	SIDS Initial Assessment Report For SIAM OECD Guideline 201
	Acute crustacea toxicity	EL50	7,4 mg/l	48 h		SIDS Initial Assessment Report For SIAM OECD Guideline 202
	Fish toxicity	NOEC mg/l	0,574	28 d	Oncorhynchus mykiss	Hydrocarbon Solvents Consortium SEIF (HS) The aquatic toxicity was estimated by a
	Algae toxicity	NOEC	(10) mg/l	3 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC	1 mg/l	21 d		SIDS Initial Assessment Report For SIAM OECD Guideline 211
8028-48-6	Orange, sweet, ext.					
	Acute fish toxicity	LC50 mg/l	5,65	96 h	Brachydanio rerio	OECD Guideline 203
	Acute algae toxicity	ErC50	15 mg/l	72 h	algae spp.	REACH Registration Dossier OECD Guideline 201
	Acute crustacea toxicity	EC50	16 mg/l	48 h	Daphnia sp.	REACH Registration Dossier OECD Guideline 202
67-63-0	Propan-2-ol					
	Acute fish toxicity	LC50 mg/l	10000	96 h		REACH Registration Dossier OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EL50 mg/l	9714	48 h	Daphnia magna (Big water flea)	OECD 202
	Fish toxicity	NOEC mg/l	> 1000	28 d	Danio rerio	REACH Registration Dossier other: REACH Guidance on QSARs R.6
	Crustacea toxicity	NOEC mg/l	> 1000	21 d		REACH Registration Dossier other: REACH Guidance on QSARs R.6
	Acute bacteria toxicity	EC50 mg/l ()	>100			
78-70-6	Linalool					
	Acute bacteria toxicity	EC50 mg/l ()	> 100	0,5 h	activated sludge of a predominantly domestic sewage	Study report (1991) OECD Guideline 209

12.2. Persistence and degradability

The product has not been tested.



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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			
	Biodegradation	98%	28	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D
	Readily biodegradable (according to OECD criteria).			
8028-48-6	Orange, sweet, ext.			
	Biodegradation	75%	28	
	Readily biodegradable (according to OECD criteria).			
67-63-0	Propan-2-ol			
	Biodegradation	95%	21	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
8028-48-6	Orange, sweet, ext.	2,78 - 4,88
106-97-8	butane	2,89
67-63-0	Propan-2-ol	0,05
74-98-6	propane	2,36
78-70-6	Linalool	2,9

BCF

CAS No	Chemical name	BCF	Species	Source
8028-48-6	Orange, sweet, ext.	1,502 - 2,597		REACH Registration D
67-63-0	Propan-2-ol	0,994		Meylan,WM, Howard,PH

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No further relevant information available.

Further information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste



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Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)


14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)


14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 381, 959
Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS, FLAMMABLE
14.3. Transport hazard class(es): 2.1



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14.4. Packing group:

Hazard label: -
2.1



Special Provisions: A145 A167 A802
Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Hydrocarbons, C7-C9, n-al

14.6. Special precautions for user

Warning: Flammable gases.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 29, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 100 % (715 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 100 % (715 g/l)

Information according to Directive 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

Additional information: E2

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation]. To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC

Aerosol Directive (75/324/EEC).

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information



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Changes

This data sheet contains changes from the previous version in section(s): 2,9,16.

Abbreviations and acronyms

Flam. Gas: Flammable gases

Aerosol: Aerosol

Liquefied gas

Flam. Liq: Flammable liquid

Asp. Tox: Aspiration hazard

Skin Irrit: Skin irritation

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

ADR: Accord européen sur le transport 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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).



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

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Bridging principle "Aerosols"
Eye Irrit. 2; H319	Bridging principle "Aerosols"
Skin Sens. 1; H317	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)