Spray mount permanent

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

1.1 - Product identifier

Trade name/designation	Spray mount permanent
Chemical name	
Product-type	Mixture
Product code	KF11026
UFI:	US00-801H-2009-FRKV

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

Relevant identified uses	- Adhesives, sealants - Consumer uses: Private households (= general public = consumers)

1.3 - Details of the supplier of the safety data sheet

INTERACTION
Jean-Baptiste de Ghellincklaan 23, box 101
9051 Gent Belgium
Telephone : +32 9 380 8248; +32 9 380 8249

1.4 - Emergency telephone number

Giftnotrufzentrale (Österreich)
Tel. No.: +43 1 406 4343

Antigif Centrum Centrum Antigif (België)/ Antigif Centrum Zentrum Antipoisons (Belgien)/ Antigif Centrum Centre Antipoisons (Belgique)
Tel. No.: +32 070 245 245

Национален център по токсикология, Болница за активно лечение и спешна медицина "Н. И. Пирогов" (България)
Tel. No. / fax: +359 2 9154 233

Centar za kontrolu trovanja (Hrvatska)
Tel. No.: +385 1 234 8342

Toxikologické informační centrum (Česká republika)
Tel. No.: +420 224 919 293 / +420 224 915 402

Hotline voor gifbestrijding (Denemarken)
Tel. No.: +45 82 12 12 12

Mürgistusteabekeskus (Eesti)
Tel. No.: +372 794 3794 (or 16662 national/ või 16662 riiklikku)

Myrkytystietokeskus (Suomi)
Tel. No.: +358 09 471 977

ORFILA (INERIS) (France)
Tel. No.: +33 (0) 1 45 42 59 59

Giftinformationszentrum, Charité - Universitätsmedizin Berlin, Hindenburgdamm 30, 12203 Berlin (Deutschland)
Tel. No.: +4930 30686700

Egészségügyi Toxikológiai Információs Szolgálat (Magyarország)
Tel. No.: +36 80 20 11 99

Poison Centre (Iceland)/ Eitrunarmiðstöð (Ísland)
Tel. No.: +354 543 2222

CAV Milano Niguarda Ca' Granda (Italy)
Tel. No.: +39 02 66101029
CAV “Osp. Pediatrico Bambino Gesù” Dip. Emergenza e Accettazione DEA
Tel. No.: +39 06 68593726

Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs (Latvija)
Tel. No.: +371 670 42473

Valstybinė vaistų kontrolės tarnyba (VVKT), Apsinuodijimų informacijos biuras (VTI) (Lietuva)
Tel. No.: +370 5 236 20 52

Isptar Mater Dei (Malta)
Tel. No.: +356 2545 0000

Nationaal Vergiftigingen Informatie Centrum (NVIC) (Nederland)
Tel. No.: +31 (0) 30 274 8888

Hjelpetelefon for psykisk helse (Norge)
Tel. No.: +47 22 59 13 00

Instituto Nacional de Emergência Médica (Portugal)
Tel. No.: +351 213 303 271

Biroul RSI si Informare Toxicologica (Romania)
Tel. No.: +40 021 318 3606

Národné toxikologické informačné centrum (NTIC) (Slovensko)
Tel. No.: +421 2 5477 4166

Servicio de Información Toxicológica (España)
Tel. No.: +34 91 562 04 20

Svensk Giftinformationscentral (Sverige)
Tel. No.: +46 08 331231

Emergency Action (United Kingdom): Emergency phone number when using this product Tel. No.: +370 612 10528 (phone number is available from 8 am - 10 pm/ Monday-Friday; Kaunas, Lithuania).
In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2	Eye irritation - Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Aerosol 1	Aerosol - Category 1
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Spray mount permanent

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H412	Harmful 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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

EUH-phrases : None

2.3 - Other hazards

PBT-substance.	- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
vPvB-substance.	- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
butane INCI: BUTANE	CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7	>= 45 - < 50	Flam. Gas 1 - H220 Press. Gas	Not applicable
propane INCI: PROPANE	CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9	>= 20 - < 25	Flam. Gas 1 - H220 Press. Gas	Not applicable
acetone, propan-2-one, propanone	CAS No. : 67-64-1 Index No. : 606-001-00-8 EC No. : 200-662-2	>= 5 - < 10	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable

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Chemical name	No	%	Class(es)	Specific concentration limit
Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes	CAS No. : 64742-49-0 Index No. : 649-328-00-1 EC No. : 927-510-4	>= 5 - < 10	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 (H336) - H336	Not applicable
p-menth-1-en-8-ol INCI: ALPHA-TERPINEOL	CAS No. : 98-55-5 Index No. : EC No. : 202-680-6	>= 2.5 - < 5	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.
- If breathing is irregular or stopped, administer artificial respiration.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- Remove contaminated, saturated clothing immediately.
- In case of skin irritation, consult a physician.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.
- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
- Observe risk of aspiration if vomiting occurs.

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

Symptoms and effects - Following inhalation

- May cause drowsiness or dizziness.
- The following symptoms may occur: Headache
- The following symptoms may occur: Nausea

Symptoms and effects - Following skin contact

- Causes skin irritation.

Symptoms and effects - After eye contact

- Causes eye irritation.

Symptoms and effects - After ingestion

- No information available.

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

- Treat symptomatically.
- In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder

	- Carbon dioxide (CO2) - Foam - Extinguishing powder
Unsuitable extinguishing media	- Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- Extremely flammable aerosol. Pressurized container: May burst if heated. - Vapours can form explosive mixtures with air.
Hazardous decomposition products	- No information available.

5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Suppress gases/vapours/mists with water spray jet.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- Use personal protection equipment. - Avoid breathing dust/fume/gas/mist/vapours/spray. - Avoid contact with skin, eyes and clothes. - Remove all sources of ignition. - Remove persons to safety. - Ventilate affected area.
For emergency responders	- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Explosion risk.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- Soak up inert absorbent and dispose as waste requiring special attention.
Methods and material for cleaning up	- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). - Wash with plenty of water. - Treat the recovered material as prescribed in the section on waste disposal.
Inappropriate techniques	- No information available.

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

Recommendation	- Do not breathe gas/fumes/vapour/spray. - Do not pierce or burn, even after use. - If handled uncovered, arrangements with local exhaust ventilation have to be used. - Use only in well-ventilated areas. - Do not spray on naked flames or any incandescent material. - Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. - Take precautionary measures against static discharges. - Vapours can form explosive mixtures with air.
Advices on general occupational hygiene	- Draw up and observe skin protection programme. - Remove contaminated, saturated clothing immediately. - Wash hands and face before breaks and after work and take a shower if necessary. - When using do not eat, drink, smoke, sniff. - Heating causes rise in pressure with risk of bursting.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed in a cool, well-ventilated place.
- Keep locked up.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Store in a place accessible by authorized persons only.
- Do not store together with: Oxidising agent
- Pyrophoric or self-heating substances
- Keep away from:Food and feedingstuffs

7.3 - Specific end use(s)

- Adhesives, sealants

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

butane (106-97-8)	
IOELV TWA mg/m3 (UE)	1450 mg/m3
IOELV TWA ppm (UE)	600 ppm
TWA EH40 ppm (UK)	600 ppm
TWA EH40 mg/m³ (UK)	1450 mg/m3
STEL EH40 ppm (UK)	750 ppm
STEL EH40 mg/m³ (UK)	1810 mg/m3
acetone, propan-2-one, propanone (67-64-1)	
IOELV TWA mg/m3 (UE)	1210 mg/m3

IOELV TWA ppm (UE)	500 ppm
TWA EH40 ppm (UK)	500 ppm
TWA EH40 mg/m³ (UK)	1.21 mg/m3
STEL EH40 ppm (UK)	1.5 ppm
STEL EH40 mg/m³ (UK)	3.62 mg/m3

DNEL / PNEC

acetone, propan-2-one, propanone (67-64-1)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	62 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	2420 mg/m3	Workers	Systemic
DNEL long-term inhalative	1210 mg/m3	Workers	Systemic
DNEL long-term inhalative	200 mg/m3	Consumers	Systemic
DNEL long-term dermal	186 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	62 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	10.6 mg/l		
PNEC aquatic, marine water	1.06 mg/l		
PNEC aquatic, intermittent release	21 mg/l		
PNEC sediment, freshwater	30.4 mg/kg		
PNEC sediment, marine water	3.04 mg/kg		
PNEC soil	33.3 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Do not breathe gas/fumes/vapour/spray.
- 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

- Wear eye/face protection.

- Suitable eye protection: goggles



- DIN EN 166
- 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: FKM (fluoro rubber)

- Thickness of the glove material: 0,7 mm

	- Breakthrough time: > 480 min. - Protective gloves according to EN374 - 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. - Wear anti-static footwear and clothing - This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
Environmental exposure controls	- No information available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Aerosol
Colour		Odour	characteristic

Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	< -20 °C
Flash point	< -20 °C
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	2.5 % Vol.
Upper explosion limit	15 % Vol.
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	0.617 g/cm3
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	> 200 °C
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available

Shape	No data available

9.2 - Other information

VOC content	544.229 g/l
Minimum ignition energy	No data available
Conductivity	No data available
VOC Composite Partial Pressure (Calculated @ 20oC/68oF)	No data available
C.A.R.B. V.O.C.	No data available
% Photo Chemically Reactive	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

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

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

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

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

butane (106-97-8)	
LC50 inhalation (rat)	> 800000 ppmV
LC50 inhalation vapours (rat)	658 mg/l
propane (74-98-6)	
LC50 inhalation (rat)	> 800000 ppmV
LC50 inhalation vapours (rat)	20 mg/l
acetone, propan-2-one, propanone (67-64-1)	
LD50 oral (rat)	5800 mg/kg
LD50 dermal (rabbit)	> 7426 mg/kg
LC50 inhalation vapours (rat)	76 mg/l
Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes (64742-49-0)	
LD50 oral (rat)	> 5840 mg/kg
LD50 dermal (rat)	> 2920 mg/kg
LC50 inhalation vapours (rat)	> 23.3 mg/l
p-menth-1-en-8-ol (98-55-5)	
LD50 oral (rat)	4300 mg/kg
LD50 dermal (rat)	> 2000 mg/kg

Skin corrosion/irritation	- Irritation, Category 2 - Causes skin irritation
	- Irritating to skin.
Serious eye damage/eye irritation	- Eye irritation - Category 2 - Causes serious eye irritation
	- Irritating to eyes.
Respiratory or skin sensitisation	- Not classified
	- Based on available data, the classification criteria are not met.
Germ cell mutagenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Carcinogenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Reproductive toxicity	- Not classified
	- Based on available data, the classification criteria are not met.
STOT-single exposure	- STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness
	- May cause drowsiness or dizziness.
STOT-repeated exposure	- Not classified
Aspiration hazard	- Not classified

11.2 - Information on other hazards

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

SECTION 12: Ecological information

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12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

butane (106-97-8)	
LC50 96 hr fish	24.11 mg/l < V < 147.54 mg/l
ErC50 algae	7.71 mg/l < V < 16.5 mg/l
ErC50 other aquatic plants	7.02 mg/l < V < 69.43 mg/l

propane (74-98-6)	
LC50 96 hr fish	24.11 mg/l < V < 147.54 mg/l
ErC50 algae	7.71 mg/l < V < 16.5 mg/l
ErC50 other aquatic plants	7.02 mg/l < V < 69.43 mg/l

acetone, propan-2-one, propanone (67-64-1)	
EC50 48 hr crustacea	8800 mg/l
LC50 96 hr fish	5540 mg/l < V < 11000 mg/l
ErC50 other aquatic plants	2100 mg/l
NOEC chronic crustacea	2212 mg/l
NOEC chronic algae	430 mg/l < V < 530 mg/l

Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes (64742-49-0)	
LC50 96 hr fish	18.27 mg/l
ErC50 algae	13.56 mg/l
ErC50 other aquatic plants	31.9 mg/l
NOEC chronic crustacea	2212 mg/l
NOEC chronic algae	3.034 mg/l

- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of 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

- Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- Dispose of waste according to applicable legislation. - Do not allow to enter into surface water or drains. - 16 05 04 - 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 - Dispose of empty or partially emptied packaging/container/can after appropriate use of the product to municipal waste. - Handle contaminated packages in the same way as the substance itself. - Non-contaminated packages may be recycled.
Sewage disposal	- No information available.
Special precautions for waste treatment	- No information available.
Community or national or regional provisions	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR)	:	UN1950
UN number (RID)	:	UN1950
UN number (ADN)	:	UN1950
UN number (IMDG)	:	UN1950
UN number (IATA)	:	UN1950

14.2 - UN proper shipping name

UN proper shipping name (ADR)	:	AEROSOLS

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UN proper shipping name (RID)	:	AEROSOLS
UN proper shipping name (ADN)	:	AEROSOLS
UN proper shipping name (IMDG)	:	AEROSOLS
UN proper shipping name (IATA)	:	AEROSOLS, FLAMMABLE

14.3 - Transport hazard class(es)

ADR Transport hazard class(es)	:	2
ADR Classification code:	:	5F
Pictograms		
Transport hazard class(es) (RID)	:	2
Pictograms		
Transport hazard class(es) (ADN)	:	2
Pictograms		
Transport hazard class(es) (IMDG)	:	2
Pictograms		
Transport hazard class(es) (IATA)	:	2
Pictograms		

14.4 - Packing group

Packing group	:	
Packing group (RID)	:	

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Packing group (ADN)	:	
Packing group (IMDG)	:	
Packing group (IATA)	:	

14.5 - Environmental hazards

Environmental hazards	:	No
Marine pollutant	:	No

14.6 - Special precautions for user

ADR

ADR Classification code:	:	5F
ADR Special provisions	:	190+327+344+625
ADR Limited quantity (LQ)	:	1L
ADR Excepted quantities	:	E0
ADR Packing instructions	:	P207 LP200
ADR Special packing provisions	:	PP87 RR6 L2
ADR Mixed packing provisions	:	MP9
Instructions for portable tanks and bulk containers	:	
Special provisions for portable tanks and bulk containers	:	
ADR tank code	:	
ADR tanks special provisions	:	
Vehicle for tank carriage	:	
ADR Transport category	:	2
ADR Tunnel restriction code	:	D
ADR Special provisions loading, unloading and handling	:	CV9 CV12
Special provisions - Packages	:	V14
Special provisions - Bulk	:	
Special provisions - Operation	:	S2
ADR Hazard identification number (Kemler No.)	:	

RID

Special provisions	:	190 327 344 625
Limited quantity (LQ)	:	1L
Excepted quantities	:	E0

ADN

Special provisions	:	190 327 344 625
Limited quantity (LQ)	:	1L
Excepted quantities	:	E0

IMDG

Special provisions	:	63 190 277 327 344 381 959

Limited quantity (LQ)	:	1000 mL
Excepted quantities	:	E0
Packing instructions	:	P207 LP200
Special packing provisions	:	PP87 L2
IBC instruction(s)	:	
IBC provisions	:	
Instructions for portable tanks and bulk containers	:	
Special provisions for portable tanks and bulk containers	:	
EmS codes	:	F-D, S-U
Stowage and handling	:	Category None SW1 SW22
Segregation	:	SG69
Properties and observations	:	

IATA

PCA - Excepted quantities	:	E0
PCA - Limited Quantity - Packing Instructions	:	Y203
PCA - Limited Quantity - Maximum Net Quantity per Package	:	30kg
PCA - Packing Instructions	:	203
PCA - Maximum Net Quantity per Package	:	75kg
CAO - Packing Instructions	:	203
CAO - Maximum Net Quantity per Package	:	150kg
Special Provisions	:	A145 A167 A802
ERG Code	:	10L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	544.229 g/l

- – COMMISSION REGULATION (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. The Regulation has been published in the Official Journal of the European Union No. L 156, on 14 June, 2016;

- – COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020, p. 28–58);

- – COUNCIL DIRECTIVE of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (OJ L 147, 9.6.1975, p. 40)

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- – On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L 353, volume 51 on 31 December, 2008;

- – REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (OJ L 104/1, 8.4.2004, p.001-0035);

- – Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);

- – The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).

- 850/2004/EC, 79/117/EEC, 689/2008/EC , 2008/47/EC

- Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

- Swiss Regulations: Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).

- P3a Flammable aerosols

- Water hazard class (WGK 1)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	28/08/2023		

Abbreviations and acronyms

- ACGIH – Association advancing occupational and environmental health.
- ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS – Chemical Abstracts Service number.
- CEN – European Committee for Standardisation.
- EC50 – Effective concentration to 50% of a test population (half maximal effective concentration).
- IC50 – Inhibitory concentration to 50% of a test population (half maximal inhibitory concentration).
- IMDG – International Maritime Dangerous Goods.
- IMO – International Maritime Organization.
- LC50 – Lethal Concentration to 50 % of a test population.
- LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).
- MSDS – Material Safety Data Sheet.
- NIOSH – National Institute of Occupational Safety and Health.
- NOEC – No effect concentration.

- PBT – Persistent, Bioaccumulative and Toxic substance.
- PNEC(s) – Predicted No Effect Concentration(s).
- RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.
- STOT – Specific Target Organ Toxicity.
- vPvB – Very Persistent and Very Bioaccumulative.

Data sources:

European Chemicals Agency (ECHA)
European Chemicals Bureau (ECB)
International Laboratories Organization (ILO)

Texts of the regulatory sentences

Aerosol 1	Aerosol - Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects
Press. Gas	Gases under pressure
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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