

KOLORS MOUSSE 2D

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 4042-103-20
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : KOLORS MOUSSE 2D - 10698 - AEROSOL - IPC - 12x500mL
Product code : 10698
Type of product : Detergent
Vaporizer : Aerosol
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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[10 Quai Malbert,](#)
[29200, BREST, FRANCE.](#)
[Tel. : +33 \(0\)2 98 43 45 44.](#)
[Fax : +33 \(0\)2 98 44 22 53](#)
ipc@groupe-ipc.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
Skin corrosion/irritation, Category 1 H314
Serious eye damage/eye irritation, Category 1 H318
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS05

Signal word (CLP) :

Danger

Contains :

2-AMINOETHANOL; 2-PROPYLHEPTANOETHOXYLATE; ALCOOL C12-14, ETHOXYLATED

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	: 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. P260 - Do not breathe spray. P280 - Wear protective gloves, eye protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P102 - Keep out of reach of children. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a doctor. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C. P501 - Dispose of contents and container to compliance with local regulations.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
butane substance with national workplace exposure limit(s) (FR)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0	10 – 20	Flam. Gas 1, H220 Press. Gas
Alcohols substance with national workplace exposure limit(s) (FR)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	2.27304 – 2.8413	Flam. Liq. 2, H225 Eye Irrit. 2, H319
ALCOOL C12-14, ETHOXYLATED	CAS-No.: 68439-50-9	1.6 – 2	Eye Dam. 1, H318 Aquatic Chronic 3, H412
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether substance with national workplace exposure limit(s) (FR); substance with a Community workplace exposure limit	CAS-No.: 112-34-5 EC-No.: 203-961-6 EC Index-No.: 603-096-00-8 REACH-no: 01-2119475104-44	1.592 – 1.99	Eye Irrit. 2, H319
Dipropyleneglycol substance with national workplace exposure limit(s) (FR); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2 REACH-no: 01-2119450011-60	1.592 – 1.99	Not classified

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-butoxypropan-2-ol; propylene glycol monobutyl ether	CAS-No.: 5131-66-8 EC-No.: 225-878-4 EC Index-No.: 603-052-00-8 REACH-no: 01-2119475527-28	1.592 – 1.99	Eye Irrit. 2, H319 Skin Irrit. 2, H315
2-PROPYLHEPTANOETHOXYLATE	CAS-No.: 160875-66-1 REACH-no: 02-2119549160-47	1.2672 – 1.584	Eye Dam. 1, H318 Acute Tox. 4 (Oral), H302
2-AMINOETHANOL substance with national workplace exposure limit(s) (FR); substance with a Community workplace exposure limit	CAS-No.: 141-43-5 EC-No.: 205-483-3 EC Index-No.: 603-030-00-8 REACH-no: 01-2119486455-28	0.84 – 1.05	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412
didecyldimethylammonium chloride	CAS-No.: 7173-51-5 EC-No.: 230-525-2 EC Index-No.: 612-131-00-6	0.636 – 0.795	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411
Oxyde de dodécylidiméthylamine	CAS-No.: 1643-20-5;308062-28-4 EC-No.: 216-700-6; 608-528-9	0.4776 – 0.597	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
morpholine substance with national workplace exposure limit(s) (FR)	CAS-No.: 110-91-8 EC-No.: 203-815-1 EC Index-No.: 613-028-00-9	0.23928 – 0.2991	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
2-AMINOETHANOL	CAS-No.: 141-43-5 EC-No.: 205-483-3 EC Index-No.: 603-030-00-8 REACH-no: 01-2119486455-28	(5 ≤ C ≤ 100) STOT SE 3, H335

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Cough. Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.

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First-aid measures after eye contact	: Direct contact with the eyes is likely to be irritating. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects	: Causes severe skin burns and eye damage.
Symptoms/effects after inhalation	: Shortness of breath.
Symptoms/effects after eye contact	: Causes serious eye damage.

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

Notes to physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Store away from other materials.
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6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Hazardous waste due to potential risk of explosion. Do not pierce or burn, even after use.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not spray on an open flame or other ignition source. Do not breathe aerosols. Avoid contact during pregnancy/while nursing.
Hygiene measures	: Wash les mains thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : sources de chaleur. Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: 5 – 50 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

butane (106-97-8)	
France - Occupational Exposure Limits	
Local name	n-Butane
VME (OEL TWA)	1900 mg/m ³
VME (OEL TWA) [ppm]	800 ppm

morpholine (110-91-8)	
France - Occupational Exposure Limits	
Local name	Morpholine
VME (OEL TWA)	36 mg/m ³
VME (OEL TWA) [ppm]	10 ppm
VLE (OEL C/STEL)	72 mg/m ³
VLE (OEL C/STEL) [ppm]	20 ppm

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
France - Occupational Exposure Limits	
VME (OEL TWA)	67.5 mg/m ³
VME (OEL TWA) [ppm]	10 ppm
VLE (OEL C/STEL)	101.2 mg/m ³
VLE (OEL C/STEL) [ppm]	15 ppm

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2-AMINOETHANOL (141-43-5)	
France - Occupational Exposure Limits	
VME (OEL TWA)	2.5 mg/m ³
VME (OEL TWA) [ppm]	1 ppm
VLE (OEL C/STEL)	7.6 mg/m ³
VLE (OEL C/STEL) [ppm]	3 ppm
Dipropyleneglycol (34590-94-8)	
France - Occupational Exposure Limits	
Local name	(2-méthoxyméthylethoxy)-propanol
VME (OEL TWA)	308 mg/m ³
VME (OEL TWA) [ppm]	50 ppm
Alcohols (64-17-5)	
France - Occupational Exposure Limits	
VME (OEL TWA)	1900 mg/m ³
VME (OEL TWA) [ppm]	1000 ppm
VLE (OEL C/STEL)	9500 mg/m ³
VLE (OEL C/STEL) [ppm]	5000 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or face shield

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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Hand protection:

Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Odour	: Pleasant (perfume).
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Extremely flammable aerosol.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 12.8
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 43.50928 %

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

10.2. Chemical stability

Not established. Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

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10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

didcydimethylammonium chloride (7173-51-5)

LD50 oral rat	658 mg/kg
LD50 dermal rat	> 2000 mg/kg

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

LD50 oral rat	3384 mg/kg
LD50 dermal rabbit	2700 mg/kg

2-AMINOETHANOL (141-43-5)

LD50 oral rat	1515 mg/kg
LC50 Inhalation - Rat	> 1.3 mg/l

Dipropylene glycol (34590-94-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	9510 mg/kg

2-PROPYLHEPTANOETHOXYLATE (160875-66-1)

LD50 oral rat	> 301 mg/kg
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg

Alcohols (64-17-5)

LD50 oral rat	10470 mg/kg
LD50 oral	10470 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 99999 mg/l
LC50 Inhalation - Rat (Vapours)	51 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.
pH: 12.8

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2-AMINOETHANOL (141-43-5)

pH	12
Serious eye damage/irritation	: Causes serious eye damage. pH: 12.8

2-AMINOETHANOL (141-43-5)

pH	12
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

2-AMINOETHANOL (141-43-5)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Vaporizer	Aerosol
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2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

Viscosity, kinematic	6.81 mm ² /s
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2-AMINOETHANOL (141-43-5)

Viscosity, kinematic	22.7 mm ² /s
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Dipropylene glycol (34590-94-8)

Viscosity, kinematic	4.55 mm ² /s
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3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

Viscosity, kinematic	3.8 mm ² /s
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

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didecyldimethylammonium chloride (7173-51-5)	
LC50 - Fish [1]	0.97 mg/l Brachydanio rerio
EC50 - Crustacea [1]	0.06 mg/l Daphnia magna
EC50 72h - Algae [1]	0.12 mg/l Scenedesmus capricornutum
ErC50 algae	0.12 mg/l Scenedesmus capricornutum
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
LC50 - Fish [1]	1300 mg/l
LC50 - Other aquatic organisms [1]	2750 mg/l
EC50 - Crustacea [1]	2850 mg/l
NOEC (acute)	> 100 mg/l
2-AMINOETHANOL (141-43-5)	
LC50 - Fish [1]	349 mg/l Cyprinus carpio
EC50 - Crustacea [1]	65 mg/l Daphnia magna
ErC50 algae	2.5 mg/l Scenedesmus capricornutum
NOEC (acute)	1 mg/l
NOEC chronic fish	1.2 mg/l Oryzias latipes
NOEC chronic crustacea	0.85 mg/l Daphnia magna
Dipropylene glycol (34590-94-8)	
LC50 - Fish [1]	10000 mg/l
Alcohols (64-17-5)	
LC50 - Fish [1]	14200 mg/l
EC50 - Crustacea [1]	5012 mg/l Ceriodaphnia dubia
EC50 - Other aquatic organisms [1]	5012 mg/l waterflea
EC50 - Other aquatic organisms [2]	275 mg/l
12.2. Persistence and degradability	
KOLORS MOUSSE 2D	
Persistence and degradability	Not established.
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
Persistence and degradability	Not established.
2-AMINOETHANOL (141-43-5)	
Persistence and degradability	Not established.
Biodegradation	> 90 %
Dipropylene glycol (34590-94-8)	
Persistence and degradability	Not established.
3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)	
Persistence and degradability	Not established.
Biodegradation	90 % 28 jours

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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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didecyldimethylammonium chloride (7173-51-5)

Bioconcentration factor (BCF REACH)	81
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2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

Bioaccumulative potential	Not established.
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2-AMINOETHANOL (141-43-5)

Bioaccumulative potential	Not established.
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Dipropylene glycol (34590-94-8)

Bioaccumulative potential	Not established.
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3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

Bioaccumulative potential	Not established.
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Alcohols (64-17-5)

Partition coefficient n-octanol/water (Log Pow)	-0.32
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to le respect de la réglementation locale.

Additional information : Flammable vapours may accumulate in the container.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR)	: UN 1950
UN-No. (IMDG)	: UN 1950
UN-No. (IATA)	: UN 1950
UN-No. (ADN)	: UN 1950
UN-No. (RID)	: UN 1950

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14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AEROSOLS
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, flammable, containing substances in Class 8, Packing Group III
Proper Shipping Name (ADN)	: AEROSOLS
Proper Shipping Name (RID)	: AEROSOLS
Transport document description (ADR)	: UN 1950 AEROSOLS, 2.1 (8), (D)
Transport document description (IMDG)	: UN 1950 AEROSOLS, 2.1 (8)
Transport document description (IATA)	: UN 1950 Aerosols, flammable, containing substances in Class 8, Packing Group III, 2.1 (8)
Transport document description (ADN)	: UN 1950 AEROSOLS, 2.1 (8)
Transport document description (RID)	: UN 1950 AEROSOLS, 2.1 (8)

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 2.1 (8)
Danger labels (ADR)	: 2.1, 8



IMDG

Transport hazard class(es) (IMDG)	: 2.1 (8)
Danger labels (IMDG)	: 2.1, 8



IATA

Transport hazard class(es) (IATA)	: 2.1 (8)
Danger labels (IATA)	: 2.1, 8



ADN

Transport hazard class(es) (ADN)	: 2.1 (8)
Danger labels (ADN)	: 2.1, 8



RID

Transport hazard class(es) (RID)	: 2.1 (8)
Danger labels (RID)	: 2.1, 8



14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

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Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5FC
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 1
Special provisions for carriage - Packages (ADR) : V14
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12
Special provisions for carriage - Operation (ADR) : S2
Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG) : P207, LP200
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10C

Inland waterway transport

Classification code (ADN) : 5FC
Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : 5FC
Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP200
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9

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Transport category (RID) : 1
Special provisions for carriage – Packages (RID) : W14
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 238

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Detergent Regulation (648/2004)

Ingredient data sheet		
Component	CAS-No.	%
Hydrocarbures C4	87741-01-3	≥10%
butane	106-97-8	≥10%
propane	74-98-6	1 - 10%
ALCOHOL	64-17-5	1 - 10%
Alcool, C12-C14, éthoxylés	68439-50-9	1 - 10%
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	1 - 10%
Dipropyleneglycol	34590-94-8	1 - 10%
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	1 - 10%
2-PROPYLHEPTANOLETHOXILATE	160875-66-1	1 - 10%
GLUTAMIC ACID, N,N-DIACETIC ACID, TETRASODIUM SALT	51981-21-6	0.1 - 1%
2-AMINOETHANOL	141-43-5	0.1 - 1%
didecyldimethylammonium chloride	7173-51-5	0.1 - 1%
Oxyde de dodécyl diméthylamine	1643-20-5;308062-28-4	0.1 - 1%
1-Propanaminium, 3-amino-N-(carboxyméthyl)-N,N-diméthyl-, N-C8-18(even numbered)	97862-59-4, 61789-40-0	0.1 - 1%
2,6-DIMETHYL-7-OCTEN-2-OL	18479-58-8	0.1 - 1%

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Ingredient data sheet		
Component	CAS-No.	%
PROPANE-2-OL	67-63-0	0.1 - 1%
morpholine	110-91-8	0.1 - 1%
sodium hydroxide; caustic soda	1310-73-2	0.1 - 1%
3,7-DIMETHYL-1,6-NONADIEN-3-OL	10339-55-6	<0.1%
THYMOLPHTALEINE	125-20-2	<0.1%
ammonia%	1336-21-6	<0.1%
butanone; ethyl methyl ketone	78-93-3	<0.1%
3,5-DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE	68039-48-5	<0.1%
TETRAHYDROLINALOOL	78-69-3	<0.1%
gamma-TERPINENE	99-85-4	<0.1%
p-Cymene	99-87-6	<0.1%
2,4,6-TRIMETHYL-4-PHENYL-1,3-DIOXOLAN	5182-36-5	<0.1%
TERPINEOL	8000-41-7	<0.1%
thymol	89-83-8	<0.1%
3,7-DIMETHYL-2,6-NONADIENENITRILE	61792-11-8	<0.1%

Labelling of contents	
Component	%
aliphatic hydrocarbons	15-30%
cationic surfactants, non-ionic surfactants, amphoteric surfactants	<5%
perfumes	

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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15.1.2. National regulations

France

Occupational diseases			
Code	Description		
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines		
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine		
RG 65	Eczenatiform lesions of allergic mechanism		
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide		
Installations classées			
No ICPE	Désignation de la rubrique	Code Régime	Rayon
4320.text	Aérosols extrêmement inflammables ou inflammables de catégorie 1 ou 2 contenant des gaz inflammables de catégorie 1 ou 2 ou des liquides inflammables de catégorie 1.		

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.

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Full text of H- and EUH-statements:	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas	Gases under pressure
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.