SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : DECAPANT - AEROSOL

Product code : 585 A.

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

Stripper

Professional use

1.3. Details of the supplier of the safety data sheet

Registered company name : ORAPI.

Address : PARC INDUSTRIEL DE LA PLAINE DE L'AIN - 225 ALLEE DES CEDRES.01150.SAINT-VULBAS.FRANCE.

Telephone : 33-(0)4-74-40-20-20. Fax : 33-(0)4-74-40-20-21.

fds@orapi.com

1.4. Emergency telephone number : 33-(0)1-45-42-59-59.

Association/Organisation : INRS .

Other emergency numbers

Emergency Action: 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

In compliance with EC regulation No. 1272/2008 and its amendments.

Aerosol, Category 1 (Aerosol 1, H222 - H229).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).

Mixture for aerosol application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07

GHS02

Signal Word :

DANGER

Hazard statements :

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements - General :

P102	Keep out of reach of children.

Precautionary statements - Prevention :

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.
P271	Use only outdoors or in a well-ventilated area.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response :	
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 POISON CENTER or doctor/physician.
Precautionary statements - Storage :	
P410 + P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 605_017_00_2 CAS: 646-06-0 EC: 211-463-5 REACH: 01-2119490744-29 DIOXOLANE 1,3-	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	25 <= x % < 50
INDEX: 014 CAS: 109-87-5 EC: 203-714-2 REACH: 01-2119664781-31 METHYLAL	GHS02 Dgr Flam. Liq. 2, H225	[1]	10 <= x % < 25
INDEX: 603_057_00_5 CAS: 100-51-6 EC: 202-859-9 REACH: 01-2119492630-38 BENZYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Eye Irrit. 2, H319 Acute Tox. 4, H332		2.5 <= x % < 10
INDEX: 64_17_5 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	2.5 <= x % < 10
INDEX: 0526 CAS: 10024-97-2 EC: 233-032-0 REACH: 01-2119970538-25 DINITROGEN OXIDE	GHS03, GHS04 Dgr Ox. Gas 1, H270 Press. Gas, H280	[1] [7]	2.5 <= x % < 10
INDEX: 1613 CAS: 141-43-5 EC: 205-483-3 REACH: 01-2119486455-28 2-AMINOETHANOL	GHS07, GHS05 Dgr Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]	2.5 <= x % < 10

Information on ingredients :

[7] Propellant gas

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

Bring to the fresh air.

Consult a physician in case of disorder.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

Not to use solvents or thinners.

Consult a doctor in the event of irritation.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- foam
- carbon dioxide (CO2)
- powder

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)
- nitrogen oxides (NOx)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

Avoid inhalation of vapours.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Avoid contact with skin, eyes and clothings.

Do not breathe vapours, fumes and mist.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

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

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Keep the container away from heat, bad weather, dampness and freezing.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- European Union (2017/164/UE, 2009/161/UE, 2006/15/CE, 2000/39/CE, 98/24/CE)

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
141-43-5	2.5	1	7.6	3	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
646-06-0	20 ppm				
109-87-5	1000 ppm				
64-17-5		1000 ppm		A3	
10024-97-2	50 ppm			A4	
141-43-5	3 ppm	6 ppm			

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
646-06-0		100 ppm 310 mg/m3		2(II)
109-87-5		1000 ppm 3200 mg/m3		2(II)
64-17-5		500 ppm 960 mg/m3		2(II)
10024-97-2		100 ppm 180 mg/m3		2(II)
141-43-5		2 ppm 5,1 mg/m3		2(I)

- France (INRS - ED984 :2012) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
109-87-5	1000	3100	-	-	-	84
64-17-5	1000	1900	5000	9500	-	84
141-43-5	1	2.5	3	7.6	-	49, 49 Bis

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
109-87-5	1000 ppm 3160 mg/m3	1250 ppm 3950 mg/m3			
64-17-5	1000 ppm 1920 mg/m3				
10024-97-2	100 ppm 183 mg/m3				
141-43-5	1 ppm 2,5 mg/m3	3 ppm 7,6 mg/m3		Sk	

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

2-AMINOETHANOL (CAS: 141-43-5)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	1 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	3.3 mg of substance/m3
Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	3.75 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	0.24 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	2 mg of substance/m3

BENZYL ALCOHOL (CAS: 100-51-6)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	9.5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Short term systemic effects.
DNEL :	47 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	450 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	90 mg of substance/m3
Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	25 mg/kg body weight/day
Exposure method:	Ingestion.
Potential health effects:	Short term systemic effects.
DNEL :	5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Short term systemic effects.
DNEL :	28.5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	5.7 mg/kg body weight/day
Exposure method:	Inhalation.

Potential health effects:	Short term systemic effects.
DNEL :	95.5 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	19.1 mg of substance/m3

METHYLAL (CAS: 109-87-5)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	17.9 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	126.6 mg of substance/m3

DIOXOLANE 1,3- (CAS: 646-06-0)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	0.04 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	37.7 mg of substance/m3

Predicted no effect concentration (PNEC):

2-AMINOETHANOL (CAS: 141-43-5)

Environmental compartment:	Soil.
PNEC :	0.035 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.085 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0085 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.025 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	0.425 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.0425 mg/kg

BENZYL ALCOHOL (CAS: 100-51-6)

Environmental compartment:	Soil.
PNEC :	0.456 mg/kg
Environmental compartment:	Fresh water.
PNEC :	1 mg/l
Environmental compartment:	Sea water.
PNEC :	0.1 mg/l
Environmental compartment:	Intermittent waste water.

PNEC :	2.3 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	5.27 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.527 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	39 mg/l

METHYLAL (CAS: 109-87-5)

Environmental compartment:	Soil.
PNEC :	4.6538 mg/kg
Environmental compartment:	Fresh water.
PNEC :	14.577 mg/l
Environmental compartment:	Sea water.
PNEC :	1.4577 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	13.135 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	1.3135 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	10 g/l

DIOXOLANE 1,3- (CAS: 646-06-0)

Environmental compartment:	Fresh water.
PNEC :	19.7 mg/l
Environmental compartment:	Sea water.
PNEC :	1.97 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.95 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	77.7 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	7.77 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	1 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- AX (Brown)

In the event of insufficient ventilation, wear a respiratory apparatus of protection.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid.
	Spray.

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Vapour pressure (50°C) :	Not relevant.
Density :	1.01
Water solubility :	Soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
Chemical combustion heat :	Not specified.
Inflammation time :	Not specified.
Deflagration density :	Not specified.
Inflammation distance :	Not specified.
Flame height :	Not specified.
Flame duration :	Not specified.

9.2. Other information

Colour: colourless

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating
- heat
- accumulation of electrostatic charges.
- exposure to light
- frost
- flames and hot surfaces
- sources of ignition

10.5. Incompatible materials

Keep away from :

- acids
- oxidising agents
- bases

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)
- nitrogen oxides (NOx)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity :

2-AMINOETHANOL (CAS: 141-43-5)

Oral route :	LD50 = 1089 mg/kg Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Inhalation route (n/a) :	LC50 1.3 Species : Rat

ETHANOL (CAS: 64-17-5)

Oral route :	LD50 = 7060 mg/kg Species : Rat

Dermal route :	LD50 > 160000 mg/kg Species : Rabbit
Inhalation route (n/a) :	LC50 > 99.999 mg/l Species : Rat

BENZYL ALCOHOL (CAS: 100-51-6)

Oral route :	LD50 = 1230 mg/kg Species : Rat
Inhalation route (n/a) :	LC50 > 4.178 mg/l Species : Rat

Skin corrosion/skin irritation :

2-AMINOETHANOL (CAS: 141-43-5)

Corrosivity :	Causes severe skin burns. Species : Rabbit OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious damage to eyes/eye irritation :

2-AMINOETHANOL (CAS: 141-43-5)

Species : Rabbit

ETHANOL (CAS: 64-17-5)

Causes serious eye irritation.

Corneal haze :	1 <= Average score < 2 and effects totally reversible within 21 days of observation

BENZYL ALCOHOL (CAS: 100-51-6)

Causes serious eye irritation.

Corneal haze :	1 <= Average score < 2 and effects totally reversible within 21 days of observation

DIOXOLANE 1,3- (CAS: 646-06-0)

Causes serious eye irritation.

Corneal haze :	1 <= Average score < 2 and effects totally reversible within 21 days of observation

Respiratory or skin sensitisation :

2-AMINOETHANOL (CAS: 141-43-5)

Guinea Pig Maximisation Test (GMPT) :	Non-sensitiser. Species : Others OECD Guideline 406 (Skin Sensitisation)

11.1.2. Mixture

No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

2-AMINOETHANOL (CAS: 141-43-5)

Fish toxicity :	LC50 = 170 mg/l Species : Carassius auratus Duration of exposure : 96 h Other guideline
	NOEC = 1.2 mg/l Species : Oryzias latipes Duration of exposure : 28 days

Crustacean toxicity :	EC50 = 65 mg/l Species : Daphnia magna Duration of exposure : 48 h Other guideline NOEC = 0.85 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 = 2.5 mg/l Species : Scenedesmus capricornutum Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
Aquatic plant toxicity :	Duration of exposure : 72 h

ETHANOL (CAS: 64-17-5)

Fish toxicity :	LC50 = 13000 mg/l
Crustacean toxicity :	EC50 = 9300 mg/l Species : Daphnia magna
Algae toxicity :	ECr50 = 5012 mg/l Duration of exposure : 72 h
Aquatic plant toxicity :	ECr50 = 275 mg/l Duration of exposure : 48 h

BENZYL ALCOHOL (CAS: 100-51-6)

Fish toxicity :	LC50 = 460 mg/l Species : Pimephales promelas Duration of exposure : 96 h Other guideline
Crustacean toxicity :	EC50 = 230 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 = 770 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test) NOEC = 310 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

ETHANOL (CAS: 64-17-5)

Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.

BENZYL ALCOHOL (CAS: 100-51-6)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DIOXOLANE 1,3- (CAS: 646-06-0)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

2-AMINOETHANOL (CAS: 141-43-5)
Five-day biochemical oxygen demand : DBO5 0.8 mg/kg

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

2-AMINOETHANOL (CAS: 141-43-5)
Octanol/water partition coefficient : log Koe = -1.91

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification :

2.1

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	2	See SP63	-	See SP277	F-D,S-U	63 190 277 327 344 381 959	E0

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0
	2.1	-	-	Y203	30 kg G	-	-	A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 75/324/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- less than 5 % : anionic surfactants
- allergenic fragrances :

benzyl alcohol

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H270	May cause or intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H302 + H332	Harmful if swallowed or if inhaled.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrdungsklasse (Water Hazard Class).
GHS02 : Flame
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.