



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

1.1. Product identifier

Product name : DDN SURF
Product code : 010760 V3.
UFI : 75C0-7017-4001-5T1M

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

Neutral disinfectant detergent for the treatment of floors, surfaces, furniture and non-surgical medical devices.

1.3. Details of the supplier of the safety data sheet

Registered company name : FRANKLAB.
Address : 40 Rue du chemin vert.78610.LE PERRAY EN YVELINES.FRANCE.
Telephone : +33 1 39 44 93 40. Fax : +33 1 39 44 93 41.
contact@sterifrance.com
www.sterifrance.com

1.4. Emergency telephone number : +33 1 45 42 59 59.

Association/Organisation : ORFILA.
Centre Antipoison Belge / Antigifcentrum : 070 245 245

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Skin corrosion, Category 1B (Skin Corr. 1B, H314).
Serious eye damage, Category 1 (Eye Dam. 1, H318).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

Biocidal detergent mixture (see section 15).

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

Hazard pictograms :



GHS09



GHS05

Signal Word :

DANGER

Product identifiers :

REACTION MASS OF N,N-DIDECYL-N-(2-HYDROXYETHYL)-N-METHYLAMMONIUM
PROPIONATE AND N,N-DIDECYL-N-(2-(2-HYDROXYETHOXY)ETHYL)-N-METHYLAMMONIUM
PROPIONATE AND
N,N-DIDECYL-N-(2-(2-(2-HYDROXYETHOXY)ETHOXY)ETHYL)-N-METHYLAMMONIUM
PROPIONATE (DMPAP)

Hazard statements :

H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

Precautionary statements - Response :

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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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/doctor/...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 59 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.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	Classification (EC) 1272/2008	Note	%
REACTION MASS OF N,N-DIDECYL-N-(2-HYDROXYETHYL)-N-METHYLAMMONIUM PROPIONATE AND N,N-DIDECYL-N-(2-(2-HYDROXYETHOXY)ETHYL)-N-METHYLAMMONIUM PROPIONATE AND N,N-DIDECYL-N-(2-(2-(2-HYDROXYETHOXY)ETHOXY)ETHYL)-N-METHYLAMMONIUM PROPIONATE (DMPAP)	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		2.5 \leq x % < 10
CAS: 5964-35-2 EC: 227-743-5 TETRAPOTASSIUM ETHYLENEDIAMINETETRAACETATE	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H332		2.5 \leq x % < 10
CAS: 107-21-1 EC: 203-473-3 ÉTHANE-1,2-DIOL	GHS07, GHS08 Wng Acute Tox. 4, H302 STOT RE 2, H373	[i]	0 \leq x % < 2.5
CAS: 120313-48-6 ALCOOLS EN, C12-15-LINÉAIRES ET RAMIFIÉS, ÉTHOXYLÉS, PROPOXYLÉS	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319		0 \leq x % < 2.5
CAS: 60-00-4 EC: 200-449-4 EDETIC ACID	GHS07 Wng Eye Irrit. 2, H319		0 \leq x % < 2.5
CAS: 2372-82-9 EC: 219-145-8 N-(3-AMINOPROPYL)-N-DODECYLPROPAN E-1,3-DIAMINE	GHS06, GHS05, GHS09, GHS08 Dgr Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 M Acute = 10		0 \leq x % < 2.5
CAS: 111-46-6 EC: 203-872-2 2,2'-OXYBISETHANOL	GHS07 Wng Acute Tox. 4, H302	[i]	0 \leq x % < 2.5
CAS: 79-09-4 EC: 201-176-3 ACIDE PROPIONIQUE	GHS05, GHS02, GHS07 Dgr Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	[i]	0 \leq x % < 2.5

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Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 120313-48-6 ALCOOLS EN, C12-15-LINÉAIRES ET RAMIFIÉS, ÉTHOXYLÉS, PROPOXYLÉS		oral: ATE = 200 mg/kg BW
CAS: 2372-82-9 EC: 219-145-8 N-(3-AMINOPROPYL)-N-DODECYLPROPAN E-1,3-DIAMINE		oral: ATE = 243.6 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[i] 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 splashes or contact with eyes :

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

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove any soiled or splashed clothing immediately.

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.

In the event of swallowing :

Do not give the patient anything orally.

Seek medical attention immediately, showing 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

Non-flammable.

5.1. Extinguishing media

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)

5.3. Advice for firefighters

No data available.

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

Avoid any contact with the skin and eyes.

For first aid worker

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

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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.

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.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

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.

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.

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 :

CAS	VME-mg/m3	VME-ppm	VLE-mg/m3	VLE-ppm	Notes
107-21-1 ÉTHANE-1,2-DIOL	52	20	104	40	-
79-09-4 ACIDE PROPIONIQUE	31	10	62	20	-

- UK :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
107-21-1 ÉTHANE-1,2-DIOL	20 ppm 52 mg/m3	40 ppm 104 mg/m3			
111-46-6 2,2'-OXYBISETHANOL	23 ppm 101 mg/m3				
79-09-4 ACIDE PROPIONIQUE	10 ppm 31 mg/m3	15 ppm 46 mg/m3			

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

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
0.91 mg/kg body weight/day

Exposure method:
Potential health effects:

Inhalation.
Long term systemic effects.

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DNEL : 2.35 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Inhalation.
Long term systemic effects.
0.7 mg of substance/m3

ÉTHANE-1,2-DIOL (CAS: 107-21-1)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
106 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term local effects.
35 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Dermal contact.
Long term systemic effects.
53 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
7 mg of substance/m3

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term local effects.
7 mg of substance/m3

Predicted no effect concentration (PNEC):

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Environmental compartment:
PNEC : Soil.
45.34

Environmental compartment:
PNEC : Fresh water.
0.001 mg/l

Environmental compartment:
PNEC : Fresh water sediment.
8.5 mg/kg

Environmental compartment:
PNEC : Marine sediment.
0.85 mg/kg

Environmental compartment:
PNEC : Waste water treatment plant.
1.33 mg/l

ÉTHANE-1,2-DIOL (CAS: 107-21-1)

Environmental compartment:
PNEC : Soil.
1.53 mg/kg

Environmental compartment:
PNEC : Fresh water.
10 mg/l

Environmental compartment:
PNEC : Sea water.
1 mg/l

Environmental compartment:
PNEC : Intermittent waste water.
10 mg/l

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Environmental compartment: PNEC :	Fresh water sediment. 37
Environmental compartment: PNEC :	Marine sediment. 3.7
Environmental compartment: PNEC :	Waste water treatment plant. 199.5 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.

Before handling, wear safety goggles with protective sides accordance with standard ISO 16321.

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

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

- Body protection

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

N/A

- Respiratory protection

N/A

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Fluid liquid.

Colour

Unspecified

Odour

Odour threshold : Not stated.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) Not stated.

:

Explosive properties, upper explosivity limit (%) Not stated.

:

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.

pH : 7.20 .

Neutral.

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Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Soluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : > 1

Relative vapour density

Vapour density : Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

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

No data available.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between three minutes and one hour.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

11.1.1. Substances

a) Acute toxicity :

TETRAPOTASSIUM ETHYLENEDIAMINETETRAACETATE (CAS: 5964-35-2)

Inhalation route (Dusts/mist) : 1 < LC50 ≤ 5 mg/l

Duration of exposure : 4 h

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Oral route : LD50 = 243.6 mg/kg body weight

Species : Rat

OECD Guideline 401 (Acute Oral Toxicity)

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Dermal route : LD50 > 600 mg/kg body weight
Species : Rat
OECD Guideline 402 (Acute Dermal Toxicity)

ALCOOLS EN, C12-15-LINÉAIRES ET RAMIFIÉS, ÉTHOXYLÉS, PROPOXYLÉS (CAS: 120313-48-6)
Oral route : LD50 = 200 mg/kg body weight

b) Skin corrosion/skin irritation :

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)
Corrosivity : Causes severe skin burns.
Species : Rabbit
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

c) Serious damage to eyes/eye irritation :

No data available.

d) Respiratory or skin sensitisation :

No data available.

e) Germ cell mutagenicity :

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)
No mutagenic effect.
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) : Negative.
With metabolic activation.

f) Carcinogenicity :

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)
Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Rat
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

g) Reproductive toxicant :

No data available.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)
Oral route : C = 9 mg/kg body weight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Dermal route : C = 20 mg/kg body weight/day
Species : Dog
Duration of exposure : 90 days

j) Aspiration hazard :

No data available.

11.1.2. Mixture

No toxicological data available for the mixture.

a) Acute toxicity :

No data available.

b) Skin corrosion/skin irritation :

No data available.

c) Serious damage to eyes/eye irritation :

No data available.

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d) Respiratory or skin sensitisation :

No data available.

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

No data available.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2.2 Other information

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Fish toxicity :

LC50 = 0.68 mg/l

Factor M = 1

Species : Oncorhynchus mykiss

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 0.073 mg/l

Factor M = 10

Species : Daphnia magna

Duration of exposure : 48 h

NOEC = 0.032 mg/l

Species : Daphnia magna

Duration of exposure : 21 days

Algae toxicity :

NOEC = 0.0012 mg/l

Species : Desmodesmus subspicatus

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

Aquatic plant toxicity :

NOEC = 0.0069 mg/l

Species : Others

Duration of exposure : 72 h

ALCOOLS EN, C12-15-LINÉAIRES ET RAMIFIÉS, ÉTHOXYLÉS, PROPOXYLÉS (CAS: 120313-48-6)

Fish toxicity :

LC50 < 10 mg/l

Species : Leuciscus idus

Duration of exposure : 96 h

Crustacean toxicity :

EC50 < 10 mg/l

Species : Daphnia magna

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Duration of exposure : 48 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Biodegradability : Rapidly degradable.

ALCOOLS EN, C12-15-LINÉAIRES ET RAMIFIÉS, ÉTHOXYLÉS, PROPOXYLÉS (CAS: 120313-48-6)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

12.7. 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, 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 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

14.1. UN number or ID number

3082

14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(reaction mass of n,n-didecyl-n-(2-hydroxyethyl)-n-methylammonium propionate and
n,n-didecyl-n-(2-(2-hydroxyethoxy)ethyl)-n-methylammonium propionate
n,n-didecyl-n-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-n-methylammonium propionate (dmpap))

14.3. Transport hazard class(es)

- Classification :



9

14.4. Packing group

III

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14.5. Environmental hazards

- Environmentally hazardous material :



14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	9	-	III	5 L	F-A. S-F	274 335 969	E1	Category A	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	964	450 L	964	450 L	A97 A158 A197 A215	E1
	9	-	III	Y964	30 kg G	-	-	A97 A158 A197 A215	E1

Not subject to this regulation if Q ≤ 5 l / 5 kg (IATA 4.4.4 - DS A197)

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.

Marine pollutant (IMDG 3.1.2.9):(reaction mass of n,n-didecyl-n-(2-hydroxyethyl)-n-methylammonium propionate and n,n-didecyl-n-(2-(2-hydroxyethoxy)ethyl)-n-methylammonium propionate and n,n-didecyl-n-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-n-methylammonium propionate (dmpap))

14.7. Maritime transport in bulk according to IMO instruments

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:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

Container information:

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

Particular provisions :

No data available.

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

- 5 % or over but less than 15 % : cationic surfactants
- less than 5 % : non-ionic surfactants
- 5 % or over but less than 15 % : EDTA and salts thereof
- disinfectants
- perfumes

Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):

The mixture does not contain a persistent organic pollutant.

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 :

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

LQ : Limited Quantity

EQ : Excepted Quantity

EmS : Emergency Schedule

E : Packing Instruction

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Moyenne pondérée dans le temps

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

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.

GHS05 : Corrosion

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.