

# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ



Safety Data Sheet dated 27/5/2021, version 5

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

#### 1.1. Product identifier

Mixture identification:

Trade name: SP1 PREWASH 100ML 6PZ

Trade code: 79279

UFI: 2DA0-605D-M007-QPSW

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

Recommended use:

Detergent

#### 1.3. Details of the supplier of the safety data sheet

Company:

FRA.BER S.R.L.

Via M.Merisi 40-46

24051 Antegnate (BG)

Italy

Tel.+390363905287

Competent person responsible for the safety data sheet:

info@fra-ber.it

#### 1.4. Emergency telephone number

Emergency telephone number of the company and/or of an authorised advisory centre:

Centro Antiveleni - Ospedale di Niguarda - Milano - phone: +390266101029

Fra-Ber s.r.l. via M.Merisi 40-46, 24051 Antegnate (BG) - Italy, phone: +390363905287

info@fra-ber.it

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Skin Corr. 1B, Causes severe skin burns and eye damage.



Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear protective gloves/clothing and eye/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 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.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with applicable regulations.

### Special Provisions:

PACK1 The packing must be featured by a safety lock for children.  
 PACK2 The packing must have tactile indications of danger for blind people.

### Contains

Alchil Poliglucoside C8-C10  
 ETHANOLAMINE  
 idrossido di potassio  
 acetic acid, (2-butoxyethoxy)

### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### Product contents:

Non-ionic surfactants 5 - 15 %  
 Polycarboxylates, Anionic surfactants < 5 %

The product also contains: Enzymes, Perfumes

Allergens:

Preservatives:

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

### Other Hazards:

No other hazards






## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.
















### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification	Additional info
$\geq 5\% - < 15\%$	Alchil Poliglucoside C8-C10	CAS: 68515-73-1 EC: 500-220-1 REACH No.: 01-21194885 30-36	 3.3/1 Eye Dam. 1 H318	REACH n° : Polymer: N.A.
$\geq 2\% - < 5\%$	ETHANOLAMIN E	CAS: 141-43-5 EC: 205-483-3 REACH No.: 01-21194864 55-28	 3.1/4/Inhal Acute Tox. 4 H332  3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Oral Acute Tox. 4 H302  3.2/1B Skin Corr. 1B H314 Specific Concentration Limits: C $\geq 5\%$ : STOT SE 3 H335	REACH n° : Polymer: N.A.

## Safety Data Sheet

### SP1 PREWASH 100ML 6PZ

>= 2% - < 5%	(2-hydroxyethyl) ammonium dihydrogen citrate	CAS: 17863-38-6 EC: 241-814-8	 3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319	REACH n° : Polymer: N.A.
>= 2% - < 5%	idrossido di potassio	Index number: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 REACH No.: 01-21194871 36-33	 2.16/1 Met. Corr. 1 H290  3.1/4/Oral Acute Tox. 4 H302  3.2/1A Skin Corr. 1A H314 Specific Concentration Limits: 0,5% <= C < 2%: Skin Irrit. 2 H315 0,5% <= C < 2%: Eye Irrit. 2 H319 2% <= C < 5%: Skin Corr. 1B H314 C >= 5%: Skin Corr. 1A H314	REACH n° : Polymer: N.A.
< 2%	acetic acid, (2-butoxyethoxy)	EC: 451-650-0	 3.2/1B Skin Corr. 1B H314	REACH n° : Polymer: N.A.
< 2%	ISOTRIDECANOL, ETHOXYLATE D	CAS: 69011-36-5 EC: 500-241-6 REACH No.: 01-21199763 62-32	 3.1/4/Oral Acute Tox. 4 H302 4.1/C3 Aquatic Chronic 3 H412  3.3/1 Eye Dam. 1 H318	REACH n° : Polymer: Yes
< 2%	HEXAMETHYLI NDANOPYRAN	Index number: 603-212-00-7 CAS: 1222-05-5 EC: 214-946-9 REACH No.: 01-21194882 27-29	 4.1/A1 Aquatic Acute 1 H400 M=1.  4.1/C1 Aquatic Chronic 1 H410 M=1.	REACH n° : Polymer: N.A.
< 2%	BUTOXYETHANOL	CAS: 111-76-2 EC: 203-905-0 REACH No.: 01-21194751 08-36	 3.1/4/Inhal Acute Tox. 4 H332  3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Oral Acute Tox. 4 H302  3.3/2 Eye Irrit. 2 H319  3.2/2 Skin Irrit. 2 H315	REACH n° : Polymer: N.A.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ

In case of skin contact:

Immediately take off all contaminated clothing.  
OBTAIN IMMEDIATE MEDICAL ATTENTION.  
Remove contaminated clothing immediately and dispose off safely.  
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

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

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed  
None

4.3. Indication of any immediate medical attention and special treatment needed  
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

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

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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### SECTION 7: Handling and storage

## Safety Data Sheet

### SP1 PREWASH 100ML 6PZ

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)  
None in particular

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## SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
- ETHANOLAMINE - CAS: 141-43-5  
EU - TWA(8h): 2.5 mg/m<sup>3</sup>, 1 ppm - STEL: 7.6 mg/m<sup>3</sup>, 3 ppm - Notes: Skin  
ACGIH - TWA(8h): 3 ppm - STEL: 6 ppm - Notes: Eye and skin irr
- idrossido di potassio - CAS: 1310-58-3  
18 - TWA: 2 mg/m<sup>3</sup>, 0.87 ppm  
TLV-TWA - TWA: 2 mg/m<sup>3</sup>
- BUTOXYETHANOL - CAS: 111-76-2  
- TWA: 98 mg/m<sup>3</sup>, 20 ppm - Notes: TWA  
- TWA: 246 mg/m<sup>3</sup>, 50 ppm - Notes: STEL  
EU - TWA(8h): 98 mg/m<sup>3</sup>, 20 ppm - STEL: 246 mg/m<sup>3</sup>, 50 ppm - Notes: Skin  
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr
- DNEL Exposure Limit Values
- Alchil Poliglucoside C8-C10 - CAS: 68515-73-1  
Worker Industry: 595000 04 - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 420 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 35.7 04 - Exposure: Human Oral - Frequency: Long Term, systemic effects  
Consumer: 357000 04 - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 124 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- ETHANOLAMINE - CAS: 141-43-5  
Consumer: 2 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)  
Consumer: 0.24 04 - Exposure: Human Dermal - Frequency: Long Term (repeated)  
Consumer: 3.75 04 - Exposure: Human Oral - Frequency: Long Term (repeated)  
Worker Industry: 3.3 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)  
Worker Industry: 1 04 - Exposure: Human Dermal - Frequency: Long Term (repeated)
- idrossido di potassio - CAS: 1310-58-3  
Worker Professional: 1 03 - Consumer: 1 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)
- HEXAMETHYLINDANOPYRAN - CAS: 1222-05-5

# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ

Worker Industry: 5.29 03 - Consumer: 1.3 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: 1 - Notes: ECHA  
Worker Industry: 28.85 mg/kg - Consumer: 14.43 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: 1 - Notes: ECHA  
Consumer: 0.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: 1 - Notes: ECHA

### PNEC Exposure Limit Values

Alchil Poliglucoside C8-C10 - CAS: 68515-73-1  
Target: Fresh Water - Value: 0.176 mg/l  
Target: Marine water - Value: 0.0176 mg/l  
Target: Intermittent emission - Value: 0.27 mg/l  
Target: Freshwater sediments - Value: 1.516 04  
Target: Marine water sediments - Value: 0.152 04  
Target: Soil - Value: 0.654 04  
Target: Oral route (secondary poisoning) - Value: 111.11 mg/kg  
Target: Purification plant - Value: 560 mg/l

### ETHANOLAMINE - CAS: 141-43-5

Target: Fresh Water - Value: 0.085 mg/l  
Target: Aquatic, temporary release - Value: 0.02 mg/l  
Target: Marine water - Value: 0.009 mg/l  
Target: Freshwater sediments - Value: 0.434 04  
Target: Marine water sediments - Value: 0.043 04  
Target: Soil (agricultural) - Value: 0.037 04  
Target: Purification plant - Value: 100 mg/l

### HEXAMETHYLINDANOPYRAN - CAS: 1222-05-5

Target: Freshwater sediments - Value: 2.0 mg/kg - Notes:: assessment factor: 10  
Target: Fresh Water - Value: 4.4 03 - Notes:: assessment factor: 10  
Target: Marine water - Value: 0.44 03 - Notes:: assessment factor: 100  
Target: Microorganisms in sewage treatments - Value: 1.0 mg/l - Notes:: assessment factor: 10  
Target: Soil (agricultural) - Value: 0.31 mg/kg - Notes:: assessment factor: 50  
Target: Marine water sediments - Value: 0.394 mg/kg - Notes:: assessment factor: 10  
Target: 10 - Value: 3.3 mg/kg - Notes:: assessment factor: 300

### 8.2. Exposure controls

#### Eye protection:

Eye glasses.

#### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. rubber, PVC or viton.

#### Protection for hands:

nitrile gloves with 0.38 mm thickness with chemical protection J,K,L, according EN 374-3:2003

#### Respiratory protection:

Not needed in well-ventilated areas

#### Thermal Hazards:

None

#### Environmental exposure controls:

None

#### Appropriate engineering controls:

None

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--

## Safety Data Sheet

### SP1 PREWASH 100ML 6PZ

Colour:	Red	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>100 °C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	11.4 ± 0.5	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	Partially soluble	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.11 g/cm <sup>3</sup> +/-0,01 g/cm <sup>3</sup>	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Storage temperature:	5°C < x < 20°C	--	--

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## SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Stable under normal conditions
- 10.2. Chemical stability
  - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
  - None
- 10.4. Conditions to avoid
  - Stable under normal conditions.
- 10.5. Incompatible materials
  - None in particular.
- 10.6. Hazardous decomposition products
  - None.

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## SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
  - Toxicological information of the product:
    - SP1 PREWASH 100ML 6PZ

## Safety Data Sheet

### SP1 PREWASH 100ML 6PZ

- a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation  
The product is classified: Skin Corr. 1B H314
- c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
- d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met
- f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met
- g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met
- h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Alchil Poliglucoside C8-C10 - CAS: 68515-73-1

a:

Test: LD50 - Route: Oral - Species: Rat > 2000 01

Test: LD50 - Route: Skin - Species: Rabbit > 2000 01

g) reproductive toxicity:

Test: EC55 - Route: Oral - Species: Rat = 100 mg/kg bw/day - Source: OECD 421

ETHANOLAMINE - CAS: 141-43-5

a:

Test: LD50 - Route: Oral - Species: Rat = 1089 mg/kg bw/day - Source: OCSE 401

Test: LD50 - Route: Skin - Species: Rabbit = 2504 mg/kg bw/day - Source: OCSE 402

Test: LC50 - Route: Inhalation - Species: Rat > 1.3 mg/l - Duration: 6 h

idrossido di potassio - CAS: 1310-58-3

a:

Test: LD50 - Route: Oral - Species: Rat = 333 01 - Notes: OCSE 425

ISOTRIDEKANOL, ETHOXYLATED - CAS: 69011-36-5

a:

Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

HEXAMETHYLINDANOPYRAN - CAS: 1222-05-5

a:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LD50 - Route: Oral 4640 mg/kg

Test: EC57 11840 02

Test: EC58 11800 02

BUTOXYETHANOL - CAS: 111-76-2



# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ

a:

Test: LD50 - Route: Oral - Species: Rat 1746 mg/kg  
Test: LD50 - Route: Skin 2000 mg/kg - Notes: porcellino d'india

### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

#### SP1 PREWASH 100ML 6PZ

Not classified for environmental hazards

Based on available data, the classification criteria are not met

#### Alchil Poliglucoside C8-C10 - CAS: 68515-73-1

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Fish 1.8 mg/l - Duration h: 672

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Notes: OCSE 202

Endpoint: LC50 - Species: Fish = 100.81 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia 2 mg/l - Duration h: 504

e) Plant toxicity:

Endpoint: EC50 - Species: Algae 27.22 mg/l - Duration h: 72

#### ETHANOLAMINE - CAS: 141-43-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 349 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 65 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.8 mg/l - Duration h: 72 - Notes: OCSE 201

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish 1.24 mg/l - Duration h: 984 - Notes: OCSE 210

Endpoint: NOEC - Species: Daphnia 0.85 mg/l - Duration h: 504

#### idrossido di potassio - CAS: 1310-58-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 80 mg/l - Duration h: 90

#### acetic acid, (2-butoxyethoxy)

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 100 mg/l - Duration h: 48

#### ISOTRIDEKANOL, ETHOXYLATED - CAS: 69011-36-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48

Endpoint: EC50 - Species: Piante acquatiche > 10 mg/l - Duration h: 72

Endpoint: EC50 - Species: frab1 = 140 mg/l

#### HEXAMETHYLINDANOPYRAN - CAS: 1222-05-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 0.47 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia > 0.9 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish 0.140 mg/l - Duration h: 768

Endpoint: EC50 - Species: Daphnia 0.282 mg/l - Duration h: 504

Endpoint: LC50 - Species: Fish 0.452 mg/l - Duration h: 504 - Notes: ECHA

Endpoint: EC50 - Species: Daphnia 0.282 mg/l - Duration h: 504 - Notes: ECHA

Endpoint: EC50 - Species: Algae 0.72 mg/l - Duration h: 72 - Notes: ECHA

#### BUTOXYETHANOL - CAS: 111-76-2

a) Aquatic acute toxicity:

# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ

Endpoint: LC50 - Species: Fish = 1474 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 1550 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae = 1840 mg/l - Duration h: 72

- 12.2. Persistence and degradability  
 None  
 Alchil Poliglucoside C8-C10 - CAS: 68515-73-1  
 Biodegradability: Easily biodegradable - Duration: 28D - %: 99  
 ETHANOLAMINE - CAS: 141-43-5  
 Biodegradability: Easily biodegradable - Test: frab2 - Duration: FRAB1 - %: 90  
 ISOTRIDECANOL, ETHOXYLATED - CAS: 69011-36-5  
 Biodegradability: frab1
- 12.3. Bioaccumulative potential  
 N.A.
- 12.4. Mobility in soil  
 N.A.
- 12.5. Results of PBT and vPvB assessment  
 vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties  
 No endocrine disruptor substances present in concentration  $\geq 0.1\%$
- 12.7. Other adverse effects  
 None

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
 Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

### SECTION 14: Transport information



- 14.1. UN number or ID number
- 14.2. UN proper shipping name  
 ADR-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.  
 IATA-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.  
 IMDG-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.
- 14.3. Transport hazard class(es)  
 IATA-Class: 8  
 IATA-Label: 8
- 14.4. Packing group  
 IATA-Packing group: I  
 IMDG-Packing group: I
- 14.5. Environmental hazards  
 ADR-Environmental Pollutant: No  
 IMDG-Marine pollutant: No
- |           |     |   |     |
|-----------|-----|---|-----|
| IMDG-EmS: | F-E | , | S-B |
|-----------|-----|---|-----|
- 14.6. Special precautions for user  
 ADR-Subsidiary hazards: -  
 IATA-Passenger Aircraft: 850  
 IATA-Subsidiary hazards: -

# Safety Data Sheet

## SP1 PREWASH 100ML 6PZ

IATA-Cargo Aircraft:	854
IATA-S.P.:	A3 A803
IATA-ERG:	8L
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	SG35 SGG18

14.7. Maritime transport in bulk according to IMO instruments  
No

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### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
  - Dir. 2000/39/EC (Occupational exposure limit values)
  - Regulation (EC) n. 1907/2006 (REACH)
  - Regulation (EC) n. 1272/2008 (CLP)
  - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
  - Regulation (EU) n. 2020/878
  - Regulation (EU) n. 286/2011 (ATP 2 CLP)
  - Regulation (EU) n. 618/2012 (ATP 3 CLP)
  - Regulation (EU) n. 487/2013 (ATP 4 CLP)
  - Regulation (EU) n. 944/2013 (ATP 5 CLP)
  - Regulation (EU) n. 605/2014 (ATP 6 CLP)
  - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
  - Regulation (EU) n. 2016/918 (ATP 8 CLP)
  - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
  - Regulation (EU) n. 2017/776 (ATP 10 CLP)
  - Regulation (EU) n. 2018/669 (ATP 11 CLP)
  - Regulation (EU) n. 2018/1480 (ATP 13 CLP)
  - Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

- Restriction 3
- Restriction 40

Restrictions related to the substances contained:

No restriction.

Volatile Organic compounds - VOCs = 4.02 %

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

- Directive 2012/18/EU (Seveso III)
- Regulation (EC) nr 648/2004 (detergents).
- Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

- Seveso III category according to Annex 1, part 1
- None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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### SECTION 16: Other information

79279/5

Page n. 11 of 13

## Safety Data Sheet

### SP1 PREWASH 100ML 6PZ

Full text of phrases referred to in Section 3:

- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H312 Harmful in contact with skin.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H290 May be corrosive to metals.
- H412 Harmful to aquatic life with long lasting effects.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Corr. 1B, H314	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

## Safety Data Sheet

### SP1 PREWASH 100ML 6PZ

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.