

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

1.1. Product identifier

Product form : Mixture
Trade name : FACTEUR HYDRATANT SB

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

1.2.1. Relevant identified uses

Main use category : Product for industrial use only
Function or use category : Cosmetics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Charkit Chemical Company, LLC.
32 Haviland Street, Unit 1
Norwalk, CT 06854
T +1 (203) 299-3220 - F +1 (203) 299-1355
sales@charkit.com - www.charkit.com

1.4. Emergency telephone number

Emergency assistance provider: CHEMTREC
For inside the US, call +1 (800) 424-9300
For international aid, call +1 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Aqua	(CAS No) 7732-18-5 (EC no) 231-791-2	70 - 80	Not classified
Triethanolamine lactate	(CAS No) 20475-12-1 (EC no) 243-846-8	4 - 10	Not classified

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Lactic Acid	(CAS No) 50-21-5 (EC no) 200-018-0 (EC index no) E270 (REACH-no) 01-2119548400-48-0000/01-2119474164-39-0000	2 - 7	Skin Irrit. 2, H315 Eye Dam. 1, H318
Sodium lactate in aqueous solution	(CAS No) 72-17-3 (EC no) 200-772-0	2 - 7	Not classified
Sorbitol in aqueous solution	(CAS No) 50-70-4 (EC no) 200-061-5 (REACH-no) Exempté / Exempted Reach Annexe VI	1 - 5	Not classified
Glycerin	(CAS No) 56-81-5 (EC no) 200-289-5 (REACH-no) Exempté / Exempted (Reach Annexe V)	1 - 5	Not classified
Serine	(CAS No) 56-45-1 (EC no) 200-274-3	0 - 1	Not classified
Urea	(CAS No) 57-13-6 (EC no) 200-315-5 (REACH-no) 01-2119463277-33	0 - 1	Not classified
Allantoine	(CAS No) 97-59-6 (EC no) 202-592-8	0 - 1	Not classified
Sodium Benzoate	(CAS No) 532-32-1 (EC no) 208-534-8 (REACH-no) 01-2119460683-35	0,4	Eye Irrit. 2, H319

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : No special measures required.
- First-aid measures after inhalation : Assure fresh air breathing.
- First-aid measures after skin contact : Wash skin with mild soap and water.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water.

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

- Symptoms/injuries : No data available. Not considered hazardous under normal conditions of use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), foam, hazy water, powder.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.
- Other information : Avoid (reject) fire-fighting water to enter environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : To our knowledge, the product does not present any particular risk, under normal conditions of use.

6.1.1. For non-emergency personnel

- Emergency procedures : Clear all other personnel from the area.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing.
- Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Place in an appropriate container and dispose of the contaminated material at a licensed site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Caution : this product can cause the floor to be slippery.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Product sensitive to the microbiological contaminations.

Storage conditions : Store in tightly closed packings.

Storage temperature : 10 - 20 °C

Storage area : Store away from heat/moisture.

Packaging materials : Always keep in containers made of the same material as the supply container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glycerin (56-81-5)		
France	VME (mg/m ³)	10 mg/m ³

8.2. Exposure controls

Personal protective equipment : Protective clothing. In case of splash hazard: safety glasses. On heating: insulated gloves.

Hand protection : No specific measures are necessary.

Eye protection : In case of splash hazard: safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.



Thermal hazard protection : On heating: insulated gloves.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : free flowing.

Colour : Colourless.

Odour : Characteristic.

Odour threshold : No data available

pH : 3,8 - 4,2

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Density : 1,07 - 1,075 @ 20°C

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

FACTEUR HYDRATANT SB	
LD50 oral rat	> 10000 mg/kg
Serine (56-45-1)	
LD50 oral rat	> 14000 mg/kg
Sorbitol in aqueous solution (50-70-4)	
LD50 oral rat	> 5000 mg/kg
Urea (57-13-6)	
LD50 oral rat	14300 mg/kg
Allantoine (97-59-6)	
LD50 oral rat	> 5000 mg/kg
Lactic Acid (50-21-5)	
LD50 oral rat	3543 mg/kg (EPA OPP 81-1)
LD50 dermal rabbit	> 2000 mg/kg (EPA OPP 81-2)
LC50 inhalation rat (mg/l)	> 7,94 mg/l/4h (OECD 403)
Glycerin (56-81-5)	
LD50 oral rat	Environ 12600 mg/kg Considered as non toxic.
LD50 dermal rabbit	> 10000 mg/kg
Sodium lactate in aqueous solution (72-17-3)	
LD50 oral rat	2000 mg/kg
Sodium Benzoate (532-32-1)	
LD50 oral rat	3140 mg/kg
LD50 dermal rabbit	> 2000 mg/kg based on benzoic acid
LC50 inhalation rat (mg/l)	> 12,2 mg/l No mortality based on benzoic acid

Skin corrosion/irritation : Not classified
Cutaneous Irritation I.C. = 0.25 Not irritating
pH: 3,8 - 4,2

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Serious eye damage/irritation	: Not classified
	Ocular irritation I.O. = 1.34 Not irritating
	pH: 3,8 - 4,2
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Serine (56-45-1)	
EC50 Daphnia 1	> mg/l
Urea (57-13-6)	
LC50 fish 1	> 6810 96 h - Fish
EC50 Daphnia 1	> 10000 mg/l 24 h - Daphnia magna
EC50 other aquatic organisms 1	24000 mg/l 5 mn - Photobacterium phosphoreum
Allantoine (97-59-6)	
LC50 fish 1	> 5000 mg/l 96 h - Leuciscus idus
Lactic Acid (50-21-5)	
LC50 fish 1	130 mg/l Lepomis macrochirus, 96h
EC50 Daphnia 1	130 mg/l 48 h - Daphnia magna
EC50 other aquatic organisms 1	3500 mg/l 72 h - Algae
ErC50 (algae)	2800 mg/l Pseudokirchnerella subcapitata, 72h
NOEC (acute)	1900 mg/l OECD 201
Glycerin (56-81-5)	
LC50 fish 1	> 10000 mg/l 24h - Daphnia Magna
LC50 other aquatic organisms 1	> 100 mg/l
EC50 other aquatic organisms 1	> 1000 mg/l Bacteria, active mud
LC50 fish 2	54000 mg/l 96h - Salmo gairdner, Oncorhynchus mykissl
LC50 other aquatic organisms 2	> 10000 mg/l Leuciscus idus
ECo Pseudomonas putida	EC5>10000 mg/l/16h
Sodium Benzoate (532-32-1)	
LC50 fish 1	460 mg/l Leuciscus idus melanotus
EC50 Daphnia 1	> 100 mg/l 48 h - Daphnia magna
EC50 other aquatic organisms 1	≥ 10 mg/l

12.2. Persistence and degradability

Serine (56-45-1)	
Persistence and degradability	No information available.
Sorbitol in aqueous solution (50-70-4)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0,2 g O ₂ /g substance
Chemical oxygen demand (COD)	1,14 g O ₂ /g substance
Urea (57-13-6)	
Persistence and degradability	96% Biodegradable (Exposure time: 16 days) (OECD 302B).
Allantoine (97-59-6)	
Persistence and degradability	Product is biodegradable.
Lactic Acid (50-21-5)	
Persistence and degradability	Readily biodegradable.
Glycerin (56-81-5)	
Persistence and degradability	Product is biodegradable.
Chemical oxygen demand (COD)	1,16 g O ₂ /g substance (ISO 15705)

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Glycerin (56-81-5)	
ThOD	1,217 g O ₂ /g substance
BOD (% of ThOD)	71 % ThOD
Biodegradation	> 60 % 28d

Sodium lactate in aqueous solution (72-17-3)	
Persistence and degradability	Product is biodegradable.

Sodium Benzoate (532-32-1)	
Persistence and degradability	Readily biodegradable. > 70% (Closed Bottle test).

12.3. Bioaccumulative potential

Serine (56-45-1)	
Bioaccumulative potential	No additional information available.

Urea (57-13-6)	
BCF fish 1	1 Cyprinus carpio
Log Kow	- 1,59

Allantoine (97-59-6)	
Log Pow	-3,14

Lactic Acid (50-21-5)	
Log Pow	-0,72 (20°C)
Bioaccumulative potential	Not bioaccumulable.

Glycerin (56-81-5)	
Log Pow	-1,76 - 2,6

Sodium Benzoate (532-32-1)	
Log Pow	-2,27
Bioaccumulative potential	Weak.

12.4. Mobility in soil

Urea (57-13-6)	
Ecology - soil	Very mobile in the ground.

Lactic Acid (50-21-5)	
Ecology - soil	Small adsorption.

Glycerin (56-81-5)	
Surface tension	0,063 N/m @ 20°C

Sodium Benzoate (532-32-1)	
Mobility in soil	env.72.9 mN/m, env. 20

12.5. Results of PBT and vPvB assessment

Component	
Lactic Acid (50-21-5)	This product does not meet the criteria for classification as PBT and vPvB

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.
- Waste treatment methods : Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Ecology - waste materials : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

- Proper Shipping Name (ADR) : Not applicable
- Proper Shipping Name (IMDG) : Not applicable
- Proper Shipping Name (IATA) : Not applicable
- Proper Shipping Name (ADN) : Not applicable
- Proper Shipping Name (RID) : Not applicable

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

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

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

FACTEUR HYDRATANT SB

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Other information

: **DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-phrases:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

SDS EU (REACH Annex II)

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

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.