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

1.1. Product identifier

Product form : Mixture

Name : Skins Clean & Protect

Product code : LTP/SK/AC

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use,Professional use,Industrial use

Use of the substance/mixture : Cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Piatraonline
137A Aleea Teisani
District 1
Bucharest
Romania

Telephone: +40 318 222 333

Email: export@piatraonline.com

1.4. Emergency telephone number +40 318 222 333 Office Hours Mon-Fri 8.30 – 5.30

: +

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation

Precautionary statements (CLP) : P102 - Keep out of reach of children
P264 - Wash hands and other exposed areas thoroughly after handling
P280 - Wear eye protection, protective clothing, protective gloves
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention

Security closing plug for children : Not applicable

Tactile warning : Not applicable

2.3. Other hazards

No additional information available

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]
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)	(CAS No) 68155-07-7 (EC no) 931-329-6 (REACH-no) 01-2119490100-53-XXXX	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
2,2'-iminodiethanol, diethanolamine substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, ES, FI, FR, GR, IT, LT, PL, PT, SE)	(CAS No) 111-42-2 (EC no) 203-868-0 (EC index no) 603-071-00-1	< 0,1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373
glycerol substance with national workplace exposure limit(s) (BE, CZ, ES, FI, FR, GB, GR, IE, IT, PL, PT)	(CAS No) 56-81-5 (EC no) 200-289-5 (REACH-no) 01-2119471987-18-XXXX	< 0,1	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2,2'-iminodiethanol, diethanolamine (111-42-2)		
Austria	Local name	Diethanolamin
Austria	MAK (mg/m³)	2 mg/m³
Austria	MAK (ppm)	0,46 ppm
Austria	MAK Short time value (mg/m³)	4 mg/m³
Austria	MAK Short time value (ppm)	0,92 ppm
Austria	Remark (AT)	H,Sh
Belgium	Local name	Diéthanolamine
Belgium	Limit value (mg/m³)	2 mg/m³
Belgium	Limit value (ppm)	0,46 ppm
Belgium	Remark (BE)	D
Bulgaria	Local name	Диетаноламин
Bulgaria	OEL TWA (mg/m³)	10 mg/m³
Croatia	Local name	2,2'-iminodietanol; (dietanolamin)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	15 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	3 ppm
Croatia	Naznake (HR)	Xn
Czech Republic	Local name	Diethanolamin
Czech Republic	Expoziční limity (PEL) (mg/m³)	5 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	1,2 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	10 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	2,3 ppm
Czech Republic	Remark (CZ)	P
Denmark	Local name	Diethanolamin (1996)
Denmark	Grænseværdie (langvarig) (mg/m³)	2 mg/m³

2,2'-iminodiethanol, diethanolamine (111-42-2)		
Denmark	Grænseværdie (langvarig) (ppm)	0,46 ppm
Denmark	Anmærkninger (DK)	H
Estonia	Local name	Dietanoolamiin
Estonia	OEL TWA (mg/m³)	5 mg/m³
Estonia	OEL TWA (ppm)	3 ppm
Estonia	OEL STEL (mg/m³)	30 mg/m³
Estonia	OEL STEL (ppm)	6 ppm
Finland	Local name	Dietanoliamiini
Finland	HTP-arvo (8h) (mg/m³)	2 mg/m³
Finland	HTP-arvo (8h) (ppm)	0,46 ppm
France	Local name	Diéthanolamine
France	VME (mg/m³)	15 mg/m³
France	VME (ppm)	3 ppm
Greece	OEL TWA (mg/m³)	15 mg/m³
Greece	OEL TWA (ppm)	3 ppm
Lithuania	Local name	Dietanolaminas
Lithuania	IPRV (mg/m³)	15 mg/m³
Lithuania	IPRV (ppm)	3 ppm
Lithuania	TPRV (mg/m³)	30 mg/m³
Lithuania	TPRV (ppm)	6 ppm
Lithuania	Remark (LT)	O
Poland	Local name	2,2'-Iminodietanol
Poland	NDS (mg/m³)	9 mg/m³
Portugal	Local name	Dietanolamina
Portugal	OEL TWA (mg/m³)	2 mg/m³
Slovenia	Local name	dietanolamin
Slovenia	OEL TWA (mg/m³)	15 mg/m³
Spain	Local name	Dietanolamina
Spain	VLA-ED (mg/m³)	2 mg/m³
Spain	VLA-ED (ppm)	0,46 ppm
Spain	Notes	Vía dérmica: (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para elcontenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización delcontrol biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 deeste documento.), f (Reacciona con agentes nitrosantes que pueden dar lugar a la formación de N-Nitrosaminas carcinógenas.)
Sweden	Local name	Diethanolamine
Sweden	nivågränsvärde (NVG) (mg/m³)	5 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	3 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	30 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	6 ppm
Norway	Local name	2,2'-Iminodietanol
Norway	Grenseverdier (AN) (mg/m³)	15 mg/m³
Norway	Grenseverdier (AN) (ppm)	3 ppm
Switzerland	Local name	Diéthanolamine
Switzerland	VME (mg/m³)	1 mg/m³
Switzerland	VLE (mg/m³)	1 mg/m³

2,2'-iminodiethanol, diethanolamine (111-42-2)		
Switzerland	Remark (CH)	15 min
Australia	Local name	Diethanolamine
Australia	TWA (mg/m³)	13 mg/m³
Australia	TWA (ppm)	3 ppm
USA - ACGIH	Local name	Diethanolamine
USA - ACGIH	ACGIH TWA (mg/m³)	1 mg/m³
USA - ACGIH	Remark (ACGIH)	Liver & kidney dam

glycerol (56-81-5)		
Belgium	Local name	Glycérine (brouillard)
Belgium	Limit value (mg/m³)	10 mg/m³ (Glycérine (brouillard); Belgium; Time-weighted average exposure limit 8 h)
Croatia	Local name	Glicerol
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³
Czech Republic	Local name	Glycerol, mlha
Czech Republic	Expoziční limity (PEL) (mg/m³)	10 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	2,4 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	15 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	3,7 ppm
Estonia	Local name	Glütseriin (glütserool,1,2,3-propaantriool)
Estonia	OEL TWA (mg/m³)	10 mg/m³
Finland	Local name	Glyseroli
Finland	HTP-arvo (8h) (mg/m³)	20 mg/m³
France	Local name	Glycérine (aérosols de)
France	VME (mg/m³)	10 mg/m³ (Glycérine (aérosols de); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Greece	OEL TWA (mg/m³)	10 mg/m³
Ireland	Local name	Glycerol, mist
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Poland	Local name	Glicerol aerozole
Poland	NDS (mg/m³)	10 mg/m³
Portugal	Local name	Glicerina, névoas
Portugal	OEL TWA (mg/m³)	10 mg/m³
Spain	Local name	Glicerina
Spain	VLA-ED (mg/m³)	10 mg/m³ nieblas
United Kingdom	Local name	Glycerol
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ Glycerol, mist; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
Switzerland	Local name	Glycérine
Switzerland	VME (mg/m³)	50 mg/m³
Switzerland	VLE (mg/m³)	100 mg/m³
Switzerland	Remark (CH)	4x15
Australia	Local name	Glycerin mist
Australia	TWA (mg/m³)	10 mg/m³
Australia	Remark (AU)	(a)
USA - ACGIH	Local name	Glycerin mist
USA - ACGIH	Remark (ACGIH)	URT irr

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment	:	Avoid all unnecessary exposure. Gloves. In case of splash hazard: safety glasses. Protective clothing.
Hand protection	:	Protective gloves
Eye protection	:	Safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls	:	Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Colourless liquid.
Colour	:	Off-white.
Odour	:	No data available
Odour threshold	:	No data available
pH	:	8,3
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
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)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,002 g/cm³
Solubility	:	No data available
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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

2,2'-iminodiethanol, diethanolamine (111-42-2)	
LD50 oral rat	620 mg/kg (Rat)
LD50 dermal rabbit	7640 mg/kg (Rabbit)

glycerol (56-81-5)	
LD50 oral rat	27200 mg/kg (Rat; Experimental value)
LC50 inhalation rat (mg/l)	> 2,75 mg/l/4h (Rat; Experimental value)

Skin corrosion/irritation : Not classified
pH: 8,3

Serious eye damage/irritation : Causes serious eye irritation.
pH: 8,3

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

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

2,2'-iminodiethanol, diethanolamine (111-42-2)	
LC50 fish 1	1664 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 2	55 mg/l (EC50; 48 h)

glycerol (56-81-5)	
LC50 fish 1	54000 mg/l (LC50; 96 h; Salmo gairdneri; Static system; Fresh water)
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h; Daphnia magna; Static system; Fresh water)
Threshold limit algae 1	> 10000 mg/l (EC0; 8 days; Scenedesmus quadricauda; Static system; Fresh water)

12.2. Persistence and degradability

2,2'-iminodiethanol, diethanolamine (111-42-2)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0,22 g O_2/g substance
Chemical oxygen demand (COD)	1,52 g O_2/g substance
ThOD	2,13 g O_2/g substance
BOD (% of ThOD)	0,10

glycerol (56-81-5)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0,87 g O_2/g substance
Chemical oxygen demand (COD)	1,16 g O_2/g substance
ThOD	1,217 g O_2/g substance
BOD (% of ThOD)	0,71

12.3. Bioaccumulative potential

2,2'-iminodiethanol, diethanolamine (111-42-2)	
Log Pow	-2,18 - -1,43 (Experimental value)
Bioaccumulative potential	Bioaccumulation: Not applicable.

glycerol (56-81-5)	
Log Pow	-1,75 (Experimental value; Equivalent or similar to OECD 107)
Bioaccumulative potential	Bioaccumulation: Not applicable.

12.4. Mobility in soil

glycerol (56-81-5)	
Surface tension	0,0634 N/m (20 °C; 1000 g/l)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Stone Wash - Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

SDS EU

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