

NETLINE GEL

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

1.1 - Product identifier

Trade name/designation NETLINE GEL
Chemical name
Product-type Mixture
Product code 783000
UFI : 8A1P-JSJT-QC33-RNCW

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

Relevant identified uses - Soft descaling cleaner
Uses advised against - No information available.

1.3 - Details of the supplier of the safety data sheet

Toucan Productions
36 Rue d'Aulteribe
63100 Clermont-Ferrand France
Telephone : 06 79 33 51 19
Website <http://www.toucan-fr.com/>
sécurité contact: 33 (0)6 79 33 51 19 contact@toucan-fr.com

1.4 - Emergency telephone number

- ORFILA (INRS) + 33 (0)1 45 42 59 59 France

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Met. Corr. 1	Corrosive to metals - Category 1
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1	Skin corrosion, Category 1

2.2 - Label elements

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

Contains: phosphoric acid ... %, orthophosphoric acid ... % (CAS No.: 7664-38-2)||hydrochloric acid ... % (CAS No.: 7647-01-0)

Signal word : Danger

Hazard pictograms



Hazard statements

H290	May be corrosive to metals
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NETLINE GEL

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
Precautionary statements	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P234	Keep only in original packaging.
P260	Do not breathe fume, gas, mist, vapours, spray.
P261	Avoid breathing fume, gas, mist, vapours, spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, eye protection.
P301+P312	If swallowed: Call a POISON CENTER, a doctor if you feel unwell.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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, a doctor.
P322	Specific measures (see information on this label).
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P501	Dispose of contents, container in an approved treatment center.
EUH-phrases	: None

Regulation (EC) No. 648/2004 (Detergents regulation)

- 5% or more but less than 15%: nonionic surfactants



2.3 - Other hazards

PBT-substance.

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

vPvB-substance.

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other hazards which do not result in classification - none

SECTION 3: Composition / information on ingredients

NETLINE GEL

- not applicable

3.1 - Substances

Not applicable

- not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	CAS No. : 111-76-2 Index No. : 603-014-00-0 EC No. : 203-905-0 REACH No. : 01-2119475108-36-XXXX	> 25 - < 50	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	Not applicable
phosphoric acid ... %, orthophosphoric acid ... %	CAS No. : 7664-38-2 Index No. : 015-011-00-6 EC No. : 231-633-2 REACH No. : 01-2119485924-24-XXXX	> 5 - <= 15	Met. Corr. 1 - H290 Skin Corr. 1B - H314	Skin Corr. 1B - H314 : 25>=%<=100 Skin Irrit. 2 - H315 : 10>=%<25 Eye Irrit. 2 - H319 : 10>=%<25
	CAS No. : exempt car polymère Index No. : EC No. : REACH No. : 02-2119552554-37-XXXX	> 5 - < 15	Acute Tox. 4 Oral - H302 Aquatic Chronic 3 - H412 Eye Irrit. 2 - H319	Not applicable
hydrochloric acid ... %	CAS No. : 7647-01-0 Index No. : 017-002-01-X EC No. : 231-595-7 REACH No. : 01-2119484862-27-XXXX	1 - 5	Met. Corr. 1 - H290 Skin Corr. 1B - H314 STOT SE 3 (H335) - H335	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.
- After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.
- When in doubt or if symptoms are observed, get medical advice.
- Medical examination necessary even merely on suspicion of intoxication.
- Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Seek medical advice immediately.
- Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.
- Rinse mouth thoroughly with water.
- Medical treatment necessary.

NETLINE GEL

- When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - Causes skin irritation.

Symptoms and effects - After eye contact - Causes eye irritation.

Symptoms and effects - After ingestion - Get immediate medical advice/attention.

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

- Treat symptomatically.
- Treat symptomatically. Antidotal dispensation.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - Hazardous combustion products

Hazardous decomposition products

- Chlorine (Cl₂)
- Carbon dioxide (CO₂)
- Carbon monoxide

5.3 - Advice for firefighters

- Remove product from area of fire.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Remove persons to safety.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 - Environmental precautions

NETLINE GEL

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.
- Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Take up mechanically, placing in appropriate containers for disposal.
- Clear contaminated areas thoroughly.
- Ventilate affected area.
- Take up carefully when dry.
- Clean contaminated articles and floor according to the environmental legislation.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact
- After use replace the closing cap immediately.
- Vapours/aerosols must be exhausted directly at the point of origin.
- All work processes must always be designed so that the following is excluded: generation/formation of aerosols
- All work processes must always be designed so that the following is excluded: Inhalation
- See section 8.
- Avoid exposure - obtain special instructions before use.

Advices on general occupational hygiene

- When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work.
- Work in well-ventilated zones or use proper respiratory protection.
- Wash contaminated clothing prior to re-use.
- Thorough skin-cleansing after handling the product.

7.2 - Conditions for safe storage, including any incompatibilities

- Storage class Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

NETLINE GEL

- Storage class Non-combustible substances of acute toxicity, category 1 and 2 / very toxic substances (liquid)
- Do not store together with: Food and feedingstuffs

7.3 - Specific end use(s)

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
- Keep locked up and out of the reach of children.
- Keep only in the original container in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)	
VME ppm (FR)	10 ppm
VME mg/m3 (FR)	49 mg/m3
VLE ppm (FR)	50 ppm
VLE mg/m3 (FR)	246 mg/m3
phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)	
VME ppm (FR)	0,2 ppm
VME mg/m3 (FR)	1 mg/m3
VLE ppm (FR)	0,5 ppm
VLE mg/m3 (FR)	2 mg/m3

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection



- Suitable protective clothing: lab coat



- Tested protective gloves must be worn



- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Barrier creams are not substitutes for body protection.

- Suitable respiratory protection apparatus: Self-contained respirator (breathing apparatus) (DIN EN 133)



NETLINE GEL

Environmental exposure controls

- Further information: see technical data sheet.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Gel
Colour	colourless	Odour	acidic
Odour threshold		No data available	
pH		1 < V < 2	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		1,1 < V < 1,2	
Density		No data available	
Solubility (Water)		Soluble in:	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

9.2 - Other information

VOC content	36,5 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

NETLINE GEL

10.4 - Conditions to avoid

- Keep away from heat.

10.5 - Incompatible materials

- Oxidising agent
- Reducing agent.
- Alkali (lye), concentrated

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity

- Acute toxicity (inhalative) - Category 4 - Harmful if inhaled
- Acute toxicity (oral) - Category 4 - Harmful if swallowed

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Harmful by inhalation.
- Toxic by inhalation.
- No information available.

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

LD50 oral (rat)	2000 mg/kg
LD50 dermal (rabbit)	435 mg/kg < V < 2000 mg/kg

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

LD50 oral (rat)	2600 mg/kg OECD 423
LD50 dermal (rat)	2740 mg/kg OECD 404

New product (exempt car polymère)

LD50 oral (rat)	300 mg/kg < V < 2000 mg/kg
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Skin corrosion/irritation

- Skin corrosion, Category 1 - Causes severe skin burns and eye damage
- Irritating to skin.

Serious eye damage/eye irritation

- Serious eye damage, Category 1
- Irritating to eyes.

Respiratory or skin sensitisation

- Not classified

Germ cell mutagenicity

- Not classified

NETLINE GEL

<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
<u>STOT-single exposure</u>	- Not classified
	- data lacking
<u>STOT-repeated exposure</u>	- Not classified
<u>Aspiration hazard</u>	- Not classified

SECTION 12: Ecological information

12.1 - Toxicity

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

EC50 48 hr crustacea	1,55 mg/l < V < 1,8 mg/l
LC50 96 hr fish	1474 mg/l

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

EC50 48 hr crustacea	> 100 mg/l OECD 202
LC50 96 hr fish	138 mg/l Gambusia affinis; 96 h
ErC50 algae	> 100 mg/l OECD 201

New product (exempt car polymère)

EC50 48 hr crustacea	1 mg/l < V < 10 mg/l
LC50 96 hr fish	1 mg/l < V < 10 mg/l
NOEC chronic fish	0,1 mg/l < V < 1 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

NETLINE GEL

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Handle contaminated packages in the same way as the substance itself.

Sewage disposal

- No information available.

Special precautions for waste treatment

- Waste requires special monitoring.
- Collect the waste separately.
- Send to a hazardous waste incinerator facility under observation of official regulations.
- Waste requires monitoring.
- The waste is to be kept separate from other types of waste until its disposal.

Community or national or regional provisions

- Dispose according to legislation.

SECTION 14: Transport information

14.1 - UN number

<u>UN number (ADR)</u>	:	UN3265
<u>UN number (RID)</u>	:	Not applicable
<u>UN number (ADN)</u>	:	Not applicable
<u>UN number (IMDG)</u>	:	Not applicable
<u>UN number (IATA)</u>	:	Not applicable

14.2 - UN proper shipping name

UN proper shipping name (ADR) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %)

14.3 - Transport hazard class(es)

NETLINE GEL

ADR Transport hazard class(es) : 8
ADR Classification code: : C3
Pictograms



Pictograms

14.4 - Packing group

Packing group : III

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

ADR

ADR Classification code: : C3
ADR Special provisions : 274
ADR Limited quantity (LQ) : 5 L
ADR Excepted quantities : E1
ADR Packing instructions : P001 IBC03 LP01 R001
ADR Special packing provisions :
ADR Mixed packing provisions : MP19
Instructions for portable tanks and bulk containers : T7
Special provisions for portable tanks and bulk containers : TP1 TP28
ADR tank code : L4BN
ADR tanks special provisions :
Vehicle for tank carriage : AT
ADR Transport category : 3
ADR Tunnel restriction code : E
ADR Special provisions loading, unloading and handling :
Special provisions - Packages : V12
Special provisions - Bulk :
Special provisions - Operation :
ADR Hazard identification number (Kemler No.) : 80

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

SECTION 15: Regulatory information

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

Substances REACH candidates : None
Substances Annex XIV : None
Substances Annex XVII : None

NETLINE GEL

VOC content 36,5 %

Regulation (EC) No. 648/2004 (Detergents regulation)

- 5% or more but less than 15%: nonionic surfactants

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
2	29/04/2019	Modification suite reception et changement classification matière première
1	27/02/2019	

Data sources:

Supplier

[Http://echa.europa.eu/](http://echa.europa.eu/)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2

NETLINE GEL

STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
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Training advice

- Further information: see technical data sheet.

According to Regulation (EC) No. 2015/830

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Observe technical data sheet.

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