



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

1.1. Product identifier

Mixture identification:
Trade name: WC NET IGIENE TOTALE gel - PMC 19019
Product code: 2F0101
Product type and use: Toilet cleaner
oxygen based bleach

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

Recommended use:

See label: instructions and precautions

Uses advised against:

See label: instructions and precautions.

1.3. Details of the supplier of the safety data sheet

Company:
BOLTON MANITOBA SPA
Via Pirelli, 19
20124 Milano - Italy
Tel. +39 02 6709 333 - Fax +39 0362 378 228
Distributor:
Alf. Mizzi & Sons (Mktg) Group
Zachary House
Marsa Industrial Estate -
MARSA LQA 06 -MALTA - tel. 00356 2554 0000

Competent person responsible for the safety data sheet:

safetyinfo@boltonmanitoba.it

1.4. Emergency telephone number

00356 2554 0000

030 274 8888

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:



Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P102 Keep out of reach of children.

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

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

P303+P361+P353 IF ON SKIN : Take off immediately all contaminated clothing. Rinse skin with



water.

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.

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.

Contents:

phosphoric acid ... %, orthophosphoric acid ... %

hydrogen peroxide solution ... %

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

Composition labelling (Detergent Regulation 648/2004/EC).

Ingredients - 648/2004/EC (www.boltondet.com):

< 5 % non-ionic surfactants, oxygen-based bleaching

Also contains: perfumes

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
>= 1% - < 5%	hydrogen peroxide solution ... %	Index number: 008-003-00-9 CAS: 7722-84-1 EC: 231-765-0 REACH No.: 01-2119485845-22	⚠ 2.13/1 Ox. Liq. 1 H271 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.2/1A Skin Corr. 1A H314 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.1/4/Inhal Acute Tox. 4 H332
>= 1% - < 5%	phosphoric acid ... %, orthophosphoric acid ... %	Index number: 015-011-00-6 CAS: 7664-38-2 EC: 231-633-2 REACH No.: 01-2119485924-24	⚠ 3.2/1B Skin Corr. 1B H314
>= 1% - < 5%	BIS (2-HYDROXYETHYL) ALKYLAMINE CAS:	90367-28-5 EC: 291-276-3	⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 4.1/C1 Aquatic Chronic 1 H410 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 4.1/A1 Aquatic Acute 1 H400
>= 0.1% - < 1%	COCO BIS-(HYDROXYETHYL) ALKYLAMINE	CAS: 61791-31-9 EC: 263-163-9	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=10.





			3.2/1C Skin Corr. 1C H314 4.1/A1 Aquatic Acute 1 H400 M=10.
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For full text of the R, H and EUH sentences mentioned in this Section, see Section 16. Exposure limits in the workplace, if available, are listed in Section 8.1.

[1] Exempted: ionic mixture. See Regulation 1907/2006/EC, Annex 5, paragraphs 3 and 4 and "Guidance for Annex V - Exemptions from the obligation to register" (http://echa.europa.eu/documents/10162/13632/annex_v_en.pdf). This salt is potentially present on the basis of calculations and is included in the list of substances for the purposes of classification and labeling only. The starting substances of the ionic mixture are registered or exempted.

[2] Exempted: Included in Annex IV of Regulation 1907/2006/EC.

[3] Exempted: Included in Annex V of Regulation 1907/2006/EC.

[4] Polymer, exempted under Article. 2.9 of Regulation 1907/2006/EC.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

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.



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

SECTION 7: Handling and storage

- 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.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Keep away from food, drink and feed.
 - Incompatible materials:
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)
 - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - hydrogen peroxide solution ... % - CAS: 7722-84-1
 - ACGIH - LTE(8h): 1 ppm - Notes: A3 - Eye, URT, and skin irr
 - phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2
 - EU - LTE(8h): 1 mg/m³ - STE: 2 mg/m³ - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 - ACGIH - LTE(8h): 1 mg/m³ - STE: 3 mg/m³ - Notes: URT, eye and skin irr
 - DNEL Exposure Limit Values
 - N.A.
 - PNEC Exposure Limit Values
 - N.A.
- 8.2. Exposure controls
 - Eye protection:
 - Use close fitting safety goggles, don't use eye lens.
 - Protection for skin:
 - Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
 - Protection for hands:



Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
 Respiratory protection:
 Not needed for normal use.
 Thermal Hazards:
 None
 Environmental exposure controls:
 None
 Appropriate engineering controls:
 None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Transparent liquid	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.D.	--	--
pH:	1.7	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	Not Relevant	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.03 kg/l	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	N.A.	--	--



Viscosity:	300 cps	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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

It may generate flammable gases on contact with dithiocarbamates, elementary metals, and nitrides.

It may generate toxic gases on contact with amides, aliphatic and aromatic amines, azo, diazo, and hydrazine compounds, carbamates, inorganic fluorides, halogenated organic substances, isocyanates, sulphides, organic nitrous compounds, organophosphat

It may catch fire on contact with alcohols and glycols, aldehydes, dithiocarbamates, esthers, ethers, aromatic and aliphatic hydrocarbons, halogenated organic substances, isocyanates, ketones, sulphides, organic nitrous compounds, phenols, and cresols.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- acute toxicity;
- skin corrosion/irritation;
- serious eye damage/irritation;
- respiratory or skin sensitisation;
- germ cell mutagenicity;



- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

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

BIS (2-HYDROXYETHYL)ALKYLAMINE

- CAS: 90367-28-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.04 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 0.1-1.0 mg/l - Duration h: 96

Endpoint: LC50 - Species: Fish = 0.1-1.0 mg/l - Duration h: 96

COCO BIS-(HYDROXYETHYL)ALKYLAMINE - CAS: 61791-31-9

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.015 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 0.28 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 0.84 mg/l - Duration h: 48

12.2. Persistence and degradability

None

N.A.

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. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.



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) 2015/830
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)
- 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.
- Where applicable, refer to the following regulatory provisions :
Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
Surfactants contained in this mixture comply biodegradability requirements prescribed by Detergent Regulation 648/2004/CE.
1999/13/EC (VOC directive)
- Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):
N.A.
- 15.2. Chemical safety assessment
No

SECTION 16: Other information

- Text of phrases referred to under heading 3:
H271 May cause fire or explosion; strong oxidiser.
H412 Harmful to aquatic life with long lasting effects.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.
H400 Very toxic to aquatic life.
- This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.
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 - twelfth Edition - Van Nostrand Reinold
ACGIH - Threshold Limit Values - 2008 edition
<http://echa.europa.eu/information-on-chemicals>
- 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.

User is responsible of complying all current and pertaining legislations, regulations and directives.

Company is not liable for any damage to persons or goods, caused by improper usage of information given in this safety data sheet.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.