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.

Uses different from those indicated on the packaging or recommended in this document.

Do not use for purposes other than those in which it is intended

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

+39 02 6709 333

Competent person responsible for the safety data sheet:

safetyinfo@boltonmanitoba.it

1.4. Emergency telephone number

+39 02 6709 333
00356 2554 0000
030 274 8888

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

- Warning, Met. Corr. 1, May be corrosive to metals.
- Danger, Eye Dam. 1, Causes serious eye damage.
- Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.
  Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

For the following hazards the mixture is classified on the basis of the elements indicated below, different from conventional calculation: environment: test

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger
Hazard statements:
H290 May be corrosive to metals.
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 tactive indications of danger for blind people.
Contains
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
Not applicable
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	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	2.16/1 Met. Corr. 1 H290 3.2/1B Skin Corr. 1B H314
>= 1% -	BIS (2-		

< 5%	HYDROXYETHYL) ALKYLAMINE CAS:	90367-28-5 EC:	3.3/2 Eye Irrit. 2 H319 291-276-3	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: EC:	61791-31-9 263-163-9	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.

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.
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 opthalmologist 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.
Contamined 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 in a fresh and ventilated area.
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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hydrogen peroxide solution ... % - CAS: 7722-84-1
ACGIH - TWA(8h): 1 ppm - Notes: A3 - Eye, URT, and skin irr
phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2
EU - TWA(8h): 1 mg/m3 - STEL: 2 mg/m3
ACGIH - TWA(8h): 1 mg/m3 - STEL: 3 mg/m3 - Notes: URT, eye and skin irr

DNEL Exposure Limit Values

BIS (2-HYDROXYETHYL)ALKYLAMINE
- CAS: 90367-28-5
Worker Industry: 2.11 03 - Consumer: 0.745 03 - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects
Worker Industry: 0.3 03 - Consumer: 0.214 19141.05 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 0.214 19141.05 - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

BIS (2-HYDROXYETHYL)ALKYLAMINE
- CAS: 90367-28-5

Target: Fresh Water - Value: 0.000684 mg/l
Target: Marine water - Value: 0.000068 mg/l
Target: Microorganisms in sewage treatments - Value: 3.5 mg/l
Target: Freshwater sediments - Value: 1.692 mg/kg

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.
Face protection shield.

Protection for skin:

Full protection suit.

Protection for hands:

Suitable gloves type:
Gloves with long cuffs.
Disposable gloves.
Suitable material:
Butyl caoutchouc (butyl rubber).
CR (polychloroprene, chloroprene rubber).
NBR (nitrile rubber).
NR (natural rubber, natural latex).
PVC (polyvinyl chloride).

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:	Blue trasparent liquid	--	--
Colour:	Blue	--	--
Odour:	characteristic fruity - floral	--	--

Odour threshold:	Not applicable	--	smell distinctly perceptible under normal use conditions.
pH:	1.7	--	the product as such (100%)
Melting point / freezing point:	Not Relevant	--	property not pertinent or not relevant to the safety and product classification
Initial boiling point and boiling range:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification
Flash point:	Not applicable	--	Will not burn
Evaporation rate:	Not Relevant	--	poorly volatile
Solid/gas flammability:	Not applicable	--	liquid product
Upper/lower flammability or explosive limits:	Not applicable	--	it does not burn
Vapour pressure:	Not Relevant	--	--
Vapour density:	Not Relevant	--	--
Relative density:	1.03 kg/l	--	0
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient (n-octanol/water):	Not applicable	--	mixture of many different substances
Auto-ignition temperature:	Not applicable	--	not flammable
Decomposition temperature:	ND	--	very slow decomposition
Viscosity:	300 mPa.s	--	@20℃
Explosive properties:	Not applicable	--	No known risk of dust formation or explosive atmospheres
Oxidizing properties:	ND	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Miscibility:	Not Relevant	--	--
Fat Solubility:	Not Relevant	--	--

Conductivity:	Not Relevant	--	--
Substance Groups relevant properties	Not Relevant	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

It may react with easily oxidized metals, oxidizing or reducing agents. With very alkaline products can develop oxygen. Use only under the conditions and for the intended uses.

10.2. Chemical stability

The product is stable in normal conditions of use and storage (between -10 °C and + 30 °C). It may decompose slowly at temperatures above 40-50 ° C with gas evolution.

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

Avoid conditions of handling, storage and use other than those explicitly indicated on the label and / or in Sections 7 and 8

Keep in a ventilated area, away from heat, moisture.

10.5. Incompatible materials

acid-sensitive materials such as alkalis, strong bases.

Avoid contact with strong oxidizing agents.

materiali sensibili agli ossidanti, come prodotti riducenti, ammine, metalli facilmente ossidabili, metalli pesanti

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

Not applicable

Toxicological information of the main substances found in the product:

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

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1300 12

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

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) 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 > 0.01 mg/l - Duration h: 48

12.2. Persistence and degradability

None
Not applicable

12.3. Bioaccumulative potential

Not applicable

12.4. Mobility in soil

Not applicable

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. 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

ADR-UN Number:	3265
IATA-UN Number:	3265
IMDG-UN Number:	3265

14.2. UN proper shipping name

ADR-Shipping Name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (hydrogen peroxide solution ... %, phosphoric acid ... %, orthophosphoric acid ... %)
IATA-Shipping Name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (hydrogen peroxide solution ... %, phosphoric acid ... %, orthophosphoric acid ... %)
IMDG-Shipping Name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (hydrogen peroxide solution ... %, phosphoric acid ... %, orthophosphoric acid ... %)

14.3. Transport hazard class(es)
- ADR-Class: 8
- ADR - Hazard identification number: 80
- IATA-Class: 8
- IMDG-Class: 8

14.4. Packing group
- ADR-Packing Group: III
- IATA-Packing group: III
- IMDG-Packing group: III

14.5. Environmental hazards
- ADR-Enviromental Pollutant: No
- IMDG-Marine pollutant: No

14.6. Special precautions for user
- ADR-Subsidiary risks: -
- ADR-S.P.: 274
- ADR-Transport category (Tunnel restriction code): 3 (E)
- IATA-Passenger Aircraft: 852
- IATA-Subsidiary risks: -
- IATA-Cargo Aircraft: 856
- IATA-S.P.: A3 A803
- IATA-ERG: 8L
- IMDG-EmS: F-A , S-B
- IMDG-Subsidiary risks: -
- IMDG-Stowage and handling: Category A
- IMDG-Segregation: Clear of living quarters.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

The product is transported in conditions that comply with exemption criteria for ADR transport.

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)
- Regulation (EU) n. 2015/1221 (ATP 7 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 2012/18/EU (Seveso III)
- Regulation (EC) nr 648/2004 (detergents).

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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.

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.
H290 May be corrosive to metals.
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.

Hazard class and hazard category	**Code**	**Description**
Ox. Liq. 1	2.13/1	Oxidising liquid, Category 1
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
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 Corr. 1C	3.2/1C	Skin corrosion, Category 1C
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
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

Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP):
S-2014-03286AMi- Toxicity on aquatic organisms (freshwater alga) OECD 201
S-2014-03287AMi- Daphnia magna reproduction test OECD 211
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**
Met. Corr. 1, H290	On basis of test data
Eye Dam. 1, H318	On basis of test data (pH)
Skin Corr. 1A, H314	On basis of test data (pH)
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
ACGIH - Threshold Limit Values for Chemical Substances (www.acgih.org)
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 SDS cancels and replaces any preceding release.
User is responsable 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.

N.A.:	Not applicable
N.D.:	Not available
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.