SAFETY DATA SHEET
LIME CHLORIDE

(Lime chloride-reaction mass who contains in composition "calcium hypochlorite" min. 26.21%)

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND THE COMPANY / UNDERTAKING

1.1 Product identifier

Commercial product name:	**LIME CHLORIDE**
Chemical name of the active substance:	Calcium hypochlorite
EC number:	231-908-7
CAS number:	7778-54-3
INDEX number:	017-012-00-7
IUPAC name:	Calcium hypochlorite
Type of product:	Multi-constituent substance
REACH registration number:	Except as under REACH Regulation no.1907/2006, Article 15
Romanian Approval as Biocidal:	**1500BIO/05/12.24**

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

No.	Main group (MG)	Product Type (PT)	Name of the Product Type
1	Disinfectants	2	**Disinfectants and algaecides not intended for direct application to humans or animals ***
2	Disinfectants	3	**Veterinary hygiene** Products used for veterinary hygiene purposes such as disinfectants, disinfecting soaps, oral or corporal hygiene products or with anti-microbial function.; Products used to disinfect the materials and surfaces associated with the housing or transportation of animals.
3	Disinfectants	4	**Food and feed area** Products used for the disinfection of equipment, containers, consumption utensils, surfaces or pipe work associated with the production, transport, storage or consumption of food or feed (including drinking water) for humans and animals; Products used to impregnate materials which may enter into contact with food.
4	Disinfectants	5	**Drinking water** Products used for the disinfection of drinking water for both humans and animals
5	Preservatives	11	**Preservatives for liquid-cooling and processing systems** Products used for the preservation of water or other liquids used in cooling and processing systems by the control of harmful organisms such as microbes, algae and mussels; Products used for the disinfection of drinking water or of water for swimming pools are not included in this product- type.

MG 1 –Disinfectants; MG 2 - Preservatives

***** Products used for the disinfection of surfaces, materials, equipment and furniture which are not used for direct contact with food or feeding stuffs; Usage areas include, inter alia, aquariums, bathing and other waters; air conditioning systems; and walls and floors in private, public, and industrial areas and in other areas for professional activities.
Products used for disinfection of air, water not used for human or animal consumption, chemical toilets, waste water, hospital waste and soil; Products used as algaecides for treatment of aquariums and other waters and for remedial treatment of construction materials.

Used advised against: not identified

1.3 Details of the supplier of the safety data sheet

Name of the company:	CHIMCOMPLEX S.A. BORZESTI
Address:	3 Industriilor Street, 601124, Onesti, Bacau, ROMANIA
Telephone/Fax:	+40 234 302250; +40 234 302102
Email address:	tehnic@chimcomplex.ro; marketing@chimcomplex.ro
Email of the competent person responsible with SDS:	reach@chimcomplex.ro

1.4 Emergency telephone number

Poison and Toxicological Information Center –Bucharest:	+ 40 21 318 3606 (8:00 AM-15:00 PM)
Unique emergency telephone :	112

SAFETY DATA SHEET
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification and labeling according to the European Regulation (EC) no. 1272/2008, as amended:

Hazard class	Code of hazard class and hazard category	Hazard statement
Oxidizing solid	Ox. Sol. 2	H 272 - May intensify fire; oxidiser.
Acute toxicity	Acute Tox. 4*	H 302 - Harmful if swallowed.
Skin Corrosion	Skin Corr. 1B	H 314 - Cause severe skin burns and eye damage.
Hazardous to the aquatic environment	Aquatic Acute 1	H 400 - Very toxic to aquatic life.

Risk advice to the human and the environment
This product has oxidizing properties. Cause severe skin burns and eye damage. It is harmful if swallowed.
It irritates the mucous membranes causing swallowing disorders associated with gastrointestinal, vomiting and abdominal pain. Is very toxic to aquatic life.

2.2. Labeling elements according to European Regulation (EC) 1272/2008, as amended:

- Name label: **LIME CHLORIDE** (reaction mass of the calcium hypochlorite and calcium hydroxide)
- Word of warning: **DANGER**
- Hazard Symbols:


GHS 03 - Oxidizing


GHS 05 -Corrosive


GHS 07- Harmful


GHS 09 - hazardous to the aquatic environment

Hazard statement:
H 272: May intensify fire; oxidiser.
H 302: Harmful if swallowed.
H 314: Cause severe skin burns and eye damage.
H 319: Causes serious eye irritation.
H 400: Very toxic to aquatic life.
Additional hazard statements:
EUH 031: In contact with acids liberates toxic gas.
EUH 206: 'Warning! Do not use together with other products. May release dangerous gases (chlorine).

Precautionary phrases:
Prevention:
P 210: Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.
P 220: Keep/Store away from clothing/combustible materials.
P 221: Take any precaution to avoid mixing with combustible.
P 260: Do not breathe dust/fume/ gas/mist/vapours/spray.
P 264: Wash hands thoroughly after handling.
P 273: Avoid release to the environment.
P 280: Wear protective gloves /protective clothing/ eye protection/ face protection.

Response:
P 301+ P 312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P 303+ P 361+P 353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P 363: Wash contaminated clothing before reuse.
P 304+P 340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P 312: Call a POISON CENTER or doctor/physician if you feel unwell.
P 305+ P351+ P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P 337+ P 313: If eye irritation persists: Get medical advice/attention.
P 370+ P 378: In case of fire: Use water spray in large quantities to extinguish combustible packages

Storage:
P 403 + P 233: Store in a well-ventilated place. Keep container tightly closed.
P 405: Store locked up.

Disposal: P 501: Dispose of contents/container in accordance with international regulation.

Chemical name of hazardous ingredient: calcium hypochlorite

Signs warning at the handling and storage of product:
According to EN ISO 780/2016: Protect from moisture! (label no.10)
Temperature Limit – max. 25^0C! (label no.14)

2.3 Other hazards
The product does not meet the criteria for classification as PBT, Persistent Bio-accumulative and Toxic or vPvB – very persistent, very bio-accumulative.

3. COMPOSITION / INFORMATION ON CONSTITUENTS (INGREDIENTS
The product is considered multi-constituent product. Component: calcium hypochlorite – as active substance; calcium hydroxide and calcium chloride which does not influence the level of danger of the product.
Multi-constituent classification: Ox. Sol. 2, H272; Acute Tox. 4*, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400

3.1. Components classification of multi-constituent substance, according to European Regulation 1272/2008, with changes and additions:

No.	Name of hazardous ingredients of the chemical preparation	Concentration / range of concentration %	CAS number	EC (EINECS/ ELINCS/ NLP) Number	Index Number in ''List of hazardous substances ''	Hazard class	Hazard category	Hazard statement
1.	Calcium hypochlorite	min. 26.21	7778-54-3	231-908-7	017-012-00-7	Ox. Sol. Acute tox. Skin Corr. Aquatic acute	Cat. 2 Cat. 4* Cat . 1B Cat. 1	H 272 H 302 H 314 H 400
2.	Calcium hydroxide	min. 6.8	1305-62-0	215-137-3	-	-	-	-
3.	Calcium chloride	min. 2.5	10043-52-4	233-140-8	017-013-00-2	Eye Irrit.	Cat. 2	H 319

4. FIRST AID MEASURES
4.1 Description of necessary first-aid measures
It is mandatory to request immediately medical assistance, in case of accidental contact with this product (if possible, show the product label). **Remove contaminated clothing.**
If inhaled
Evacuate the victim from the contaminated area to ventilated place. Administer oxygen or artificial respiration if necessary. Call a physician immediately.
In case of skin contact
Remove quickly contaminated clothing and shoes. Wash skin with plenty of water. Call a physician or poison control centre. Wash the contaminated clothes before re-using.

In case of eye contact
Immediately flush eyes with plenty of water, for at least 15 minutes, while moving eye pupils in all directions. Call a physician or poison control centre immediately.
If ingestion
Call a physician or poison control centre immediately. Rinse mouth with plenty of water.
Administer oxygen or artificial respiration if necessary. Do not induce vomiting.

4.2 Most important symptoms and effects, acute and delayed
Inhalation
Contact with product may cause skin burns and eye. It irritates the mucous membranes causing swallowing disorders associated with gastrointestinal and vomiting, abdominal pain.
Skin contact
Causes severe skin burns.
May appear redness, swelling of tissue, rash and oedema.
Eye contact
Causes severe eye damage. Signs of irritation were observed in the cornea, iris and or conjunctiva.
Ingestion
If ingested, the substance causes severe burns of the mouth, throat, esophagus and the stomach.

4.3 Indication of immediate medical attention and special treatment needed
It is mandatory to request immediately medical assistance, in case of accidental contact with this product.

.5. FIRE FIGHTING MEASURES
5.1 Extinguishing media:
- *recommended :* Water spray in large quantities to extinguish combustible packages, foam aeromechanical
- *not recommended:* Extinguishing powder, steam, inert gases, halons

5.2 Special exposure hazards arising from the substance or mixture
It is not a flammable product, but it is combustive.
It is a strong oxidizing substance. In contact with sulfur powder, coal or organic products it may cause fire and explosion.

5.3 Advice for fire-fighters
Use breathing apparatus- gas mask for protection with versatile filter cartridge and individual protective clothing for interventions: water protective suit, helmet with visor, rubber boots. The equipment used is in accordance with specific legislation on emergency situations. For large fires (caused by packing ignition) use large quantities of water spray. Waste resulting from fire extinguishing must be treated as dangerous waste according to legislation in force

6. ACCIDENTAL RELEASE MEASURES
***6*.1 Personnel protection**
Advice for non-emergency personnel:
Try to limit leaks of the product if possible. Keep away from incompatible products.
Advice for emergency personnel:
Keep unnecessary and unprotected personnel away from entering. Remove all sources of ignition. Wear appropriate personal equipment. Persons performing clean-up work should wear adequate personal protective equipment. Use individual protection equipment and adequate gloves (see chapter 8).

6.2 Environmental protection measures
Do not release into the environment (running waters, lakes, sewages or soil). The product accidental spilled must be collect in the adequate containers. Inform local authorities in case of accidental spillages.

6.3 Cleaning methods and materials used
Contain and recover when possible. Do not flush the product to sewer. Residues from spills can be diluted with water, after that can be neutralized with sodium sulfite. All contaminated waste water must be processed in a wastewater treatment plant and then must be discarded in accordance with local regulations in force.

6.4 Other information
Firefighting measures are described in the chapter 5. Individual protection equipment is described in the chapter 8. The disposal consideration is described in the chapter 13.

7. HANDLING AND STORAGE
Handling imposes caution measures specific for a combustive and corrosive product.

7.1 Handling
Protection measure
Special attention is required when lime chloride is handled. All workers should be properly trained in the required safe handling and first aid procedure. Persons handling the product must always wear protective clothing, in order to avoid any contact with hand, skin or eyes. Do not wear contact lenses when handling this product. It is also advisable to have individual pocket eyewash.

Advice on general occupational hygiene
Avoid inhalation or ingestion and contact with skin and eyes. Do not breathe dusts. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace.

7.2 Storage
The product is obtained and commercialized as a dust, slightly agglomerated. The product must be stored and kept in the original packing, closed, in clean, dry, well ventilated, covered rooms, away from heat, humidity and incompatible substances. Recommended storing temperature is of maximum 25^0C. The product must not be stowed and stored in large pallets for long period of time, as it might decompose, this resulting in decrease of active chlorine content. Also, transport of large pallets for long time might cause release of toxic gases and self-ignition of packages. Providing the integrity of packaging during transport and storage gives the product stability.

Incompatible materials: combustible substances (paper, sawdust, wood), organic substances (alcohols, glycol, turpentine), sulfur, acetic acid, acetylene, sulfur, acids, carbon dioxide from air, amines, urea.

Packaging materials used	Polyethylene bags with valve, repacked in sewed polypropylene bags; having the mass of 25 kg, 30 kg; ther packaging which to ensure the qualitative and quantitative integrity of the product.
Recommended	Plastic materials: polyethylene, polyvinyl chloride, polypropylene, teflon, polyester Elastomers: butyl rubber, EPDM, viton, neoprene Metals: metallic drums
Not recommended	Plastic materials type: acetal, nylon, polyamides, phenol resins, polyurethanes Elastomers: natural rubber, soft rubber Metals – aluminum, bronze

7.3. Specific end-use(s)
The identified uses are described in the chapter 1.2.

8. EXPOSURE CONTROL/PERSONAL PROTECTION
8.1 Control parameters - Exposure limits values
Specific legislation in the field of health and safety at work - European Directive 98/24/CE does not provide occupational exposure limit values (OEL) or tolerable biological limit values (TBL) for this product neither for the active substance – calcium hypochlorite.
As precautionary information the exposure limits value for chlorine:
ELV = 1.5 mg/mc, exposure period = 15 minutes;

8.2 Exposure control
8.2.1. Appropriate engineering controls
Provide local and general ventilation systems in the working area and storage spaces. Provide water sources and eyewash station in the proximity of the working area, if is necessary.

8.2.2. Individual protection measures, such as personal protective equipment

Workers will be fully equipped with individual protective equipment. The type and material of which it is made the protective equipment shall respect the national/european legal rules in force, on health and safety at work.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.
In the case of hazardous fumes, wear self contained breathing apparatus.

Hand protection

Protective gloves – chemical resistant
Suitable materials: rubber, polyvinyl chloride

Eye protection

Wear protective goggles for all industrial operations.
If risk of splashing, chemical proof goggles/face shield.

Skin and body protection

Waterproof suit, boots
Intervention at incident: complete chemical protection acid-proof suit, acid-proof boots

Specific hygiene measures

After working with this product, change protection equipment and wash face and hands with plenty of water and soap. Ensure water sources and eyewash station in the proximity of the working area.
It is forbidden to smoke, eat, drinking in the working areas.

8.2.3. Environmental exposure control

Do not flush into surface water or sewer system.
Waters contaminated with this product will not be discarded in watercourses, on the ground or in sewages without previous neutralization.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	dust with slight agglomerations
Color	white to light grey or white-yellowish
Odor	pungent, irritant
Calcium hypochlorite content	> 26%
Boiling point	Not applicable
Melting / freezing point	100^0 C (value for calcium hypochlorite)
Flash point	Not flammable
Evaporation rate	Not flammable
Flammability (solid, gas)	Not flammable
Vapor pressure at 20 °C	Not applicable
Vapor density	No data
Relative Density at 15^0C	-
Bulk density	0.65 – 0.8 g/cm^3
Solubility(ies) at 25^0C	18 % (value for calcium hypochlorite
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	No data
Viscosity at 20^0C	No data
Explosive properties	Not explosive
Oxidizing properties	Yes

10. STABILITY AND REACTIVITY

10.1 Reactivity

This product is strong oxidant in an alkaline medium and has corrosive properties.

10.2 Chemical stability

This product is stable under normal handling and storing conditions.

10.3 Possibility of hazardous reactions
In contact with sulfur powder it can cause fire and explosion.
In reaction with water or steam produces toxic and corrosive gases (chlorine and oxygen).
It reacts with acids, releasing chlorine, toxic and corrosive gas.

10.4 Condition to avoid:
Is strong oxidant. Store and transport the product away from heat, humidity**,** separate from incompatible substances**.**

10.5 Materials to avoid
Combustible substances (paper, sawdust, wood), organic substances (alcohols, glycol, turpentine), sulfur, acetic acid, acetylene, sulfur, acids, carbon dioxide from air, amines, urea, trichloroethylene.

10.6 Hazardous decomposition product
Under the action of heat and humidity from air, it decomposes releasing toxic vapors (chlorine, oxygen).
During storage and transport the product can modify its active chlorine content. Product can decompose in time.

11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects

11.1.1 Acute toxicity: oral, inhalation, dermal
The product is harmful if swallowed; dust inhaling may cause irritation of the respiratory tract, followed by coughing, shortness of breath.

Acute toxicity data for calcium hypochlorite:
LC50/ inhalation/ rat = 1700 mg/l; exposure period = 1h;
LD50/ dermal/ rabbit > 2000 mg/kg body;
LD50/ oral / rat = 850 mg/kg body.

11.1.2 Skin corrosion/irritation
The product cause severe skin burns.

11.1.3 Serious eye damage/eye irritation
Contact with lime chloride cause risk of serious damage to eyes.

11.1.4 Respiratory or skin sensitization
This substance may cause respiratory irritation. Not sensitizing.

11.1.5 Mutagenicity
Lime chloride is not considered to be a mutagenic product.

11.1.6 Carcinogenicity
Lime chloride is not considered to be a carcinogenic product.

11.1.7 Toxicity for reproduction
No data available.

11.8 Repeat dose toxicity
No data available.

12. ECOLOGICAL INFORMATION
12.1 Toxicity acute for aquatic organisms:
The product is classified as very toxic to aquatic life.

Acute toxicity tests for aquatic organisms

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Values available for calcium hypochlorite:
LC50 / 96h / fish (fresh water) = 0.049 – 0.16 mg/l;
LC50 / 48h / invertebrates = No data.
LC50 / 72h/ algae = No data.

12.2 Persistence and degradability- Abiotic degradation
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility -Water/Soil/Sediments
No data available.

12.5 Results of PBT and vPvB
The product does not meet the criteria for classification as PBT, Persistent Bio-accumulative and Toxic or vPvB – very persistent, very bio-accumulative.

12.6 Other adverse effects
Not applicable.

13. DISPOSAL CONSIDERATIONS
13.1 Waste disposal methods
Do not dispose of waste into sewer.
The product accidental spilled must be collect in the adequate containers. It is recommended to wash area with water. Waste water results can be neutralized with sodium sulfite. All contaminated waste water must be processed in a wastewater treatment plant and then must be discarded in accordance with local regulations in force. Waste Code recommended according to the legislation in force: 16 09 04*.

Contaminated packaging
The contaminated packages are not recycled.
Packaging that cannot ensure anymore the qualitative and quantitative integrity of the product are destroyed through specific measures in accordance with local regulations in force. The recommendation is to use dedicated containers in order to avoid treatments. **Contaminated packaging waste will not be used to store other products**.

European Regulations applicable
European Directive 91/689/CEE on hazardous waste; European Directive 94/62/CE on packaging and waste.

14. TRANSPORT INFORMATION
14.1 UN number, UN proper shipping name, transport hazard class(es), packing group, environmental hazards

International Transport Regulation: ADR	
- ***UN /HI no.***	3486/ 58
- *Class / classification code*	5.1/ OC2- inorganic solid, corrosive and oxidizing
- *Product name*	Calcium Hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine
- *Packing group*	III – substance with low degree of danger
- *Label*	 5.1 -oxidiser  8-corrosive  environmentally hazardous substance

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RID	
- ***UN /HI no.***	3486/ 58
- Class / classification code	5.1/ OC2- inorganic solid, corrosive and oxidizing
- Product name	Calcium Hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine
- Packing group	III – substance with low degree of danger
- Label	 5.1 –oxidiser  8 -corrosive  environmentally hazardous substance
IMDG	
- UN no.	3486
- Class	5.1
- Product name	Calcium Hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine
- Subsidiary risk	Does not present auxiliary risk
- Packing group	III
ICAO/IATA	No data

14.2 Environmental hazards
The product is considered dangerous for the environment when is transported.

14.3. Special precaution for use
Users (customers, carriers) who will moving in the area with the product will respect all the security measures, available in an area with dangerous chemicals.

14.4. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: No data available

15. REGULATORY INFORMATION
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
The product lime chloride is not a SEVESO substance, not ozone depleting substance, not a persistent organic pollutant (POP); the product was not included in the SVHC list and no need to be authorized according to the REACH Regulation.

European legislation:
Regulation (EC) No. 1907/2006 of the European Parliament concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) as amended;
Regulation (EU) No. 830/2015 amending Regulation (EC) No. 1907/2006 of European Parliament concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Annex;
Regulation (EU) No. 453/2010 amending Regulation (EC) No. 1907/2006 of European Parliament concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Annex II;
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
Council Regulation (EC) No 440/2008 on test methods pursuant to Regulation (EC) No 1907/2006 –REACH;
Commission Regulation (EC) No 340/2008 on the fees and charges payable to the European Chemicals Agency pursuant to Regulation (EC) No.1907/2006 –REACH;
Council Directive 98/24/EC concerning the protection of the health and safety of workers from the risks related to chemical agents at work, as amended;
Directive 91/322/EEC - indicative limit values on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work, as amended;
Commission Directives 2000/39/EC, 2006/15/CE and 2009/161/UE establishing a first, second and third lists of indicative occupational exposure limit values, in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended;

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Council Directive 89/656/EEC on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace;
European Directive 91/689/EEC on hazardous waste;
European Directive no. 2010/75/CE on industrial emissions;
RID/ADR/IMDG in force.

15.2 Chemical Safety Assessment
This product has not been evaluated according to the REACH Regulation no. 1907/2006, since it is exempted under the Article 15 – biocidal product considered registered.
The active substance –calcium hypochlorite is subject to assessment under the European Regulation no. 528/2012 concerning the making available on the market and use of biocidal products.

16. OTHER INFORMATION
16.1. Updates of safety data sheet
Compared with last revision from July 2017, the safety data sheet have been updated to the following chapters: 2 and 3.

16.2 Full text of hazard and precautionary statements stated on Section 2:
Hazard statement:
H 272: May intensify fire; oxidiser.
H 302: Harmful if swallowed.
H 314: Cause severe skin burns and eye damage.
H 319: Causes serious eye irritation.
H 400: Very toxic to aquatic life.
Additional hazard statements:
EUH 031: In contact with acids liberates toxic gas.
EUH 206: 'Warning! Do not use together with other products. May release dangerous gases (chlorine).
Precautionary phrases:
P 210: Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.
P 220: Keep/Store away from clothing/…/combustible materials.
P 221: Take any precaution to avoid mixing with combustible.
P 260: Do not breathe dust/fume/ gas/mist/vapours/spray.
P 264: Wash hands thoroughly after handling.
P 273: Avoid release to the environment.
P 280: Wear protective gloves /protective clothing/ eye protection/ face protection.
P 301+ P 312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P 303+ P 361+P 353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P 363: Wash contaminated clothing before reuse.
P 304+P 340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P 312: Call a POISON CENTER or doctor/physician if you feel unwell.
P 305+ P351+ P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P 337+ P 313: If eye irritation persists: Get medical advice/attention.
P 370+ P 378: In case of fire: Use water spray in large quantities to extinguish combustible packages
P 403 + P 233: Store in a well-ventilated place. Keep container tightly closed.
P 405: Store locked up.
P 501: Dispose of contents/container in accordance with international regulation

16.3 Legend to abbreviations
PBT: Persistent, Bio-accumulative and Toxic;
vPvB: very persistent, very bio-accumulative;
VLE: National exposure limits values;
DNEL: Derived No-Effect levels;
PNEC: Predictable No-Effect Concentrations;
ADR: European Agreement concerning the International Carriage of Dangerous Goods by road;

RID: Agreement concerning the International Carriage of Dangerous Goods by rail;
IMDG: International Maritime Dangerous Goods Code;
ICAO/IATA: International Air Transport Association.

16.4 Literature references and sources for data

The Safety Data Sheet has been revised according to the Annex of European Regulation No. 830/2015-REACH. Information contained herein was obtained from the documents developed internal, from the technical literature and from our own experience. These characterize the product respecting the safety requirements, however without a guarantee of its particular properties.

It is the client’s (final users/ downstream users) obligation to take all the necessary caution measures, so that the product can be safely used.