SAFETY DATA SHEET



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

1.1 Product identifier

Cillit Bang Power Cleaner 100% Limescale Remover

SDS number: D8311503 Code: 8308021 v3.0

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

Multipurpose Cleaner Consumer Use

1.3. Details of the Supplier of the Safety Data Sheet The United Kingdom:

RB UK Hygiene Home Commercial Ltd Wellcroft House Wellcroft Road Slough, Berkshire SL1 4AQ Tel: 0800 376 8181 Email: consumer.relations-ukroi@rb.com

The Republic Of Ireland:

RB Ireland Hygiene Home Commercial Ltd 7 Riverwalk Citywest Business Campus Dublin 24 Ireland Tel: 01 661 7318 Email: consumer.relations-ukroi@rb.com 1.4 Emergency telephone number GB - NHS 111/NHS 24 Tel: 111 NI - www.gpoutofhours.hscni.net/ IE - Poisons Information Centre of Ireland: 01 809 2166 8am-10pm 7 days a week.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Skin Irrit. 2, H315 Eye Irrit. 2, H319

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

: 02/04/2019

2.2 Label elements Hazard pictograms	
Signal word	: Warning
Hazard statements	: Causes serious eye irritation. Causes skin irritation.

SECTION 2: Hazards identification

Precautionary statements		
General	1	Keep out of reach of children.
Prevention	:	Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.
Response	-	If skin irritation occurs, seek medical advice/attention. IF IN EYES: 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.
Storage	1	Not applicable.
Disposal	1	Not applicable.
Supplemental label elements	:	Ingredient Declaration: Contains less than 5% anionic surfactant Perfume
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	None.
Special packaging requirem	en	ts
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 Other hazards		
Other bazards which do		None known

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
CITRIC ACID	REACH #: 01-2119457026-42 EC: 201-069-1 CAS: 77-92-9	≤3	Eye Irrit. 2, H319	[1]
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	REACH #: 01-2119490234-40 EC: 287-494-3 CAS: 85536-14-7	≤2.9	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412	[1]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Туре</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

SECTION 3: Composition/information on ingredients

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.

5.2 Special hazards arising from the substance or mixture

SECTION 5: Firefighting measures		
Hazards from the substance or mixture	: No specific fire or explosion hazard.	
Hazardous combustion products	: No specific data.	
5.3 Advice for firefighters		
Special protective actions for fire-fighters	 Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 	
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.	

SECTION 6: Accidental release measures

6.1 Personal precautions, prote	ctive equipment and emergency procedures
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials for	containment and cleaning up
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

SECTION 7: Handling and storage

Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment
	before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 5 to 30°C (41 to 86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations
Industrial sector specific
solutions

: Consumer use of washing and cleaning products

SECTION 8: Exposure controls/personal protection

: Not available.

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Benzenesulfonic acid, 4-C10-13-sec- alkyl derivs.	DNEL	Long term Dermal	170 mg/kg	Workers	Systemic
	DNEL	Long term Inhalation	12 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	12 mg/m³	Workers	Local
	DNEL	Long term Dermal	85 mg/kg	Consumers	Systemic
	DNEL	Long term Inhalation	3 mg/m³	Consumers	Systemic
	DNEL	Long term Inhalation	3 mg/m³	Consumers	Local
	DNEL	Long term Oral	0.85 mg/kg	Consumers	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
CITRIC ACID	Fresh water	440 mg/l	-
	Fresh water sediment	34.6 mg/kg	-
	Marine water sediment	3.46 mg/kg	-
	Soil	33.1 mg/kg	-
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	Fresh water	0.287 mg/l	-
	Marine water	0.0287 mg/l	-
	Sewage Treatment Plant	3.43 mg/l	-
	Fresh water sediment	0.287 mg/kg	-
	Marine water sediment	0.287 mg/kg	-
	Soil	35 mg/kg	-

8.2 Exposure controls

SECTION 8: Exposu	re e	controls/personal protection
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection measure	ures	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection		
Hand protection	:	Use chemical resistant gloves classified under Standard EN374 - Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Nitrile/butadiene rubber ("nitrile" or "NBR"); Chlorinated polyethylene; Butyl rubber; Polyethylene. Examples of acceptable glove barrier materials include: Natural rubber ("latex"); Neoprene; Vitor; Ethyl vinyl alcohol laminate ("EVAL"). A glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374) is recommended. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Considering the parameters specified by the glove manufacturer, checks during use should be carried out to ensure the gloves are still retaining their protective properties.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	- 1	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic	physical and chemical properties	
Appearance		
Physical state	: Liquid.	
Color	: Clear	
Odor	: Not available.	
Odor threshold	: Not available.	

Cillit Bang Limescale & Shine

SECTION 9: Physical and chemical properties

рН	: 2.1 to 2.8 [Conc. (% w/w): 100%]
Melting point/freezing point	: Not available.
Initial boiling point and boiling	Not available.
range	
Flash point	: Closed cup: >93.3°C
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility(ies)	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octano water	I/ : Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: Not available.
9.2 Other information	
Auto-ignition temperature	: Not available.
Solubility in water	: Insoluble in the following materials: Hot water and Cold water.
SECTION 10: Stability	and reactivity
10.1 Reactivity :	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability :	The product is stable.
10.3 Possibility of	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid	: No specific data.
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10.5 Incompatible materials : No specific data.

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

hazardous reactions

Product/ingredient name	Result	Species	Dose	Exposure
CITRIC ACID Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	LD50 Oral LD50 Oral	Rat Rat	11700 mg/kg 1470 mg/kg	-
Conclusion/Summary Acute toxicity estimates	: Based on available data, the cl	assification crite	ria are not met.	·
	Route		ATE va	lue
Oral		73500	mg/kg	

Cillit Bang Limescale & Shine

SECTION 11: Toxicological information

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observatio
CITRIC ACID	Eyes - Severe irritant	Rabbit	-	24 hours 750	-
	Skin - Mild irritant	Rabbit		Micrograms 24 hours 500	
		Rabbit	-	milligrams	-
Benzenesulfonic acid,	Eyes - Moderate irritant	Rabbit	-	0.1 Mililiters	-
4-C10-13-sec-alkyl derivs.					
	Skin - Severe irritant	Rabbit	-	0.5 Mililiters	-
Conclusion/Summary					
Skin	: Based on Calculation met	nod: Causes skin	irritation.		
Eyes	: Based on Calculation met	nod: Causes serio	us eye irr	itation.	
Respiratory	: Based on available data, the	ne classification c	riteria are	not met.	
<u>Sensitization</u>					
Conclusion/Summary					
Skin	: Based on available data, the	ne classification c	riteria are	not met.	
Respiratory	: Based on available data, the	ne classification c	riteria are	not met.	
<u>Mutagenicity</u>					
Conclusion/Summary	: Based on available data, the	ne classification c	riteria are	not met.	
Carcinogenicity					
Conclusion/Summary	: Based on available data, the	ne classification c	riteria are	not met.	
Reproductive toxicity					
Conclusion/Summary	: Based on available data, the	ne classification c	riteria are	not met.	
<u>Teratogenicity</u>					
<u>Teratogenicity</u> Conclusion/Summary	: Based on available data, th	ne classification c	riteria are	not met.	
Conclusion/Summary		ne classification c	riteria are	not met.	
Conclusion/Summary		ne classification c	riteria are	not met.	
Conclusion/Summary Specific target organ toxicit Not available.	<u>y (single exposure)</u>	ne classification c	riteria are	not met.	
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Conclusion/Summary Specific target organ toxicit Not available. Specific target organ toxicit Not available. Aspiration hazard Not available. Mot available. formation on the likely butes of exposure otential acute health effects Eye contact Inhalation Skin contact Ingestion ymptoms related to the phy Eye contact	 y (single exposure) y (repeated exposure) y (repeated exposure) : Not available. : Causes serious eye irritatio : No known significant effec : Causes skin irritation. : No known significant effec sical, chemical and toxicolog : Adverse symptoms may in pain or irritation watering redness 	on. ts or critical hazar ts or critical hazar <mark>gical characteris</mark> i	ds. ds. <u>tics</u>	not met.	
Conclusion/Summary Specific target organ toxicit Not available. Specific target organ toxicit Not available. Aspiration hazard Not available. Not available. formation on the likely butes of exposure otential acute health effects Eye contact Inhalation Skin contact Ingestion ymptoms related to the phy Eye contact	 y (single exposure) y (repeated exposure) y (repeated exposure) Not available. Causes serious eye irritation No known significant effect Causes skin irritation. No known significant effect Sical, chemical and toxicology Adverse symptoms may in pain or irritation watering redness No specific data. 	on. ts or critical hazar ts or critical hazar <mark>gical characteris</mark> clude the followin	ds. ds. <u>tics</u> g:	not met.	
Conclusion/Summary Specific target organ toxicit Not available. Specific target organ toxicit Not available. Aspiration hazard Not available. Not available. nformation on the likely outes of exposure otential acute health effects Eye contact Inhalation Skin contact Ingestion Symptoms related to the phy Eye contact	 y (single exposure) y (repeated exposure) y (repeated exposure) Not available. Causes serious eye irritatio No known significant effect Causes skin irritation. No known significant effect Sical, chemical and toxicology Adverse symptoms may in pain or irritation watering redness No specific data. Adverse symptoms may in 	on. ts or critical hazar ts or critical hazar <mark>gical characteris</mark> clude the followin	ds. ds. <u>tics</u> g:	not met.	
Conclusion/Summary Specific target organ toxicit Not available. Specific target organ toxicit Not available. Aspiration hazard Not available. Not available. nformation on the likely outes of exposure otential acute health effects Eye contact Inhalation Skin contact Ingestion Symptoms related to the phy Eye contact	 y (single exposure) y (repeated exposure) y (repeated exposure) Not available. Causes serious eye irritation No known significant effect Causes skin irritation. No known significant effect Sical, chemical and toxicology Adverse symptoms may in pain or irritation watering redness No specific data. Adverse symptoms may in irritation 	on. ts or critical hazar ts or critical hazar <mark>gical characteris</mark> clude the followin	ds. ds. <u>tics</u> g:	not met.	
Conclusion/Summary Specific target organ toxicit Not available. Specific target organ toxicit Not available. Aspiration hazard Not available. Mot available. Aspiration on the likely outes of exposure cotential acute health effects Eye contact Inhalation Skin contact Ingestion	 y (single exposure) y (repeated exposure) y (repeated exposure) Not available. Causes serious eye irritatio No known significant effect Causes skin irritation. No known significant effect Sical, chemical and toxicology Adverse symptoms may in pain or irritation watering redness No specific data. Adverse symptoms may in 	on. ts or critical hazar ts or critical hazar <mark>gical characteris</mark> clude the followin	ds. ds. <u>tics</u> g:	not met.	

SECTION 11: Toxicological information

Delayed and immediate effect	ts a	nd also chronic effects from short and long term exposure
<u>Short term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	1	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	1	Not available.
Potential chronic health effe	ects	
Conclusion/Summary	1	Based on available data, the classification criteria are not met.
General	1	No known significant effects or critical hazards.
Carcinogenicity	1	No known significant effects or critical hazards.
Mutagenicity	1	No known significant effects or critical hazards.
Teratogenicity	1	No known significant effects or critical hazards.
Developmental effects	1	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
CITRIC ACID	Acute LC50 160000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
Conclusion/Summary	: Based on available data, the classification	ition criteria are not met.	

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
CITRIC ACID Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	-1.8 3.2		low low

12.4 Mobility in soil Soil/water partition coefficient (K _{oc})	: Not available.				
Mobility	: Not available.				
12.5 Results of PBT and vPvB assessment					

PBT vPvB	Not applicable.Not applicable.
12.6 Other adverse effects	No known significant effects or c

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product		
Methods of disposal		The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	1	The classification of the product may meet the criteria for a hazardous waste.
Packaging		
Methods of disposal		The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions		This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

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

14.6 Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

SECTION 15: Regulatory information

Annex XVII - Restrictions : None. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

15.2 Chemical Safety	: No Chemical Safety Assessment has been carried out.
Accoment	

Assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	:	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
,	Calculation method Calculation method

Full text of abbreviated H statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Acute Tox. 4, H302 Aquatic Chronic 3, H412 Eye Dam. 1, H318 Eye Irrit. 2, H319 Skin Corr. 1C, H314 Skin Irrit. 2, H315		ACUTE TOXICITY (oral) - Category 4 AQUATIC HAZARD (LONG-TERM) - Category 3 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2
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Notice to reader		

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SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.