

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 1 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

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

1.1 Product identifier:

Manufacturers description:	Biosecurity Clean 8006
Substances	
Substance name:	Biosecurity Clean
REACH No:	<i>The transition period according to REACH Regulation, article 23 has not yet expired.</i>

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

Uses:	Detergent, Disinfectant.
Uses advised against:	Reserved for industrial and professional use.
Use dilution:	0.50% - 1.50%

1.3 Details of the supplier of the safety data sheet:

Supplier:	
Name	Biosecurity Solutions, LLC.
Address	31 South 1550 West, #119 Lindon, Utah 84042
E-Mail	info@biosecuritysolutions.com
Phone	801-997-0429

1.4 EMERGENCY TELEPHONE NUMBER:

Name	Biosecurity Solutions, Inc.
Phone	801-997-0429



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 2 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture AS SOLD:

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

Physical	Category	Hazard statements
Ox. Sol.	Category 2	H272 – May intensify fire; oxidizer

Health	Category	Hazard statements
Acute toxicity, oral	Category 3	H301 - Toxic if swallowed
Acute toxicity, inhalation	Category 2	H330 - Fatal if inhaled
Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage
Serious eye damage/eye irritation	Category 1	H314 – Causes severe skin burns and eye damage
Specific target organ toxicity, single exposure	Category 2	H370 – Causes damage to organs

Environmental	Category	Hazard statements
Hazardous to the aquatic environment, acute hazard	Category 1	H410 – Very toxic to aquatic life with long lasting effects
Hazardous to the aquatic environment, long-term hazard	Category 1	H410 – Very toxic to aquatic life with long lasting effects

OSHA defined hazards	Category	Hazard statements
Combustible dust	Classified	Dust

Classification of the substance or mixture AS DILUTED FOR USE:

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

Health	Category	Hazard statements
Acute toxicity, oral	Category 4	H302 – Harmful if swallowed
Serious eye damage/eye irritation	Category 2	H318 – Causes serious eye damage

Additional information:

Full text of H- and EUH-phrases: see SECTION 16.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 3 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

2.2 Label elements

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

Product identifier: Product AS SOLD

Hazard pictograms



GHS02



GHS03



GHS05



GHS08



GHS09

Signal word:

Danger

Hazard statements:

H272	May intensify fire; oxidizer
H301	Toxic if swallowed
H330	Fatal if inhaled
H314	Causes severe skin burns and eye damage
H314	Causes severe skin burns and eye damage
H371	May cause damage to organs
H272	May intensify fire; oxidizer
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements:

Prevention:	
P271	Use only outdoors or in a well-ventilated area
P260	Do not breath dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling
P270	Do not eat, drink, or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves, clothing, eye protection, and face protection
P284	Wear respiratory protection
Response:	
P301 + P310	If swallowed: Immediately call poison control and seek medical attention
P301 + P330 + P331	If swallowed: Rinse mouth. Do NOT induce vomiting
P303 + P361 + P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P341	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if treatment is urgent (see this label).
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 4 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Storage:	
P403	Store in a well-ventilated place
P404	Keep container tightly closed
P402	Store in dry place
P235	Keep cool
P405	Store locked up
Disposal:	Dispose in accordance with local, regional, national, and international regulations

2.3 Label elements

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

Product identifier: Product AS DILUTED FOR USE

Hazard pictograms



GHS07



GHS09

Signal word:

Warning

Hazard statements:

H315	Causes skin irritation
H290	May be corrosive to metals
H302	Harmful if swallowed
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements:

Prevention:	
P271	Use only outdoors or in a well-ventilated area
P264	Wash thoroughly after handling
P270	Do not eat, drink, or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves, clothing, eye protection, and face protection
Response:	
P301 + P310	If swallowed: Immediately call poison control and seek medical attention
P301 + P330 + P331	If swallowed: Rinse mouth. Do NOT induce vomiting
P303 + P353	If on skin (or hair): Rinse skin with water.
P305 + P351 + P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if treatment is urgent (see this label).
P363	Wash contaminated clothing before reuse.
Storage:	
P403	Store in a well-ventilated place/container

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 5 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Disposal:	Dispose in accordance with local, regional, national, and international regulations
------------------	--

2.3 Other hazards AS SOLD:

None Known

Other hazards AS DILUTED FOR USE:

None Known

SECTION 3. Composition/information on ingredients

3.1 Substances – Mixture:

Product AS SOLD

Substance name	CAS No.	Index No.	EC No.	Concentration See Annex I: Section 1.1.3.6. Table 1.2	Classification according Regulation (EC) No. 1272 [CLP]	SCL and/or M-factor
Disodium carbonate, compound with hydrogen peroxide (2:3) (-)	15630-89-4		239-707-6	45%-60%	Ox. Sol. 2 – H 272 Acute Tox. 4 – H302 Eye Dam. 1 – H318	
Proprietary acid blend	Proprietary		Proprietary	<50%	Eye Irrit. 2 – H319	
Editic acid	60-00-4	607-429-00-8	200-449-4	0.5%-1.5%	Eye Irrit. 2 – H319	ATP01
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	68956-79-6		273-318-2	1.8%-2.2%	H302 H314 H400	No additivity for target organ category 1 and 2. See 1.6.3.4.3.
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5		269-919-4	1.8%-2.2%	Acute Tox. 3 – H301 Skin Corr. 1B – H314 Acute Tox. 2 – H330 Acute Tox. 2 – H371 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410	

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 6 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Substances – Mixture:

Product AS DILUTED FOR USE

Substance name	CAS No.	Index No.	EC No.	Concentration	Classification according Regulation (EC) No. 1272 [CLP]	SCL and/or M-factor
Disodium carbonate, compound with hydrogen peroxide (2:3) (-)	15630-89-4		239-707-6	0.2% - 0.5%	Eye Dam. 3 – H319	
Proprietary acid blend	Proprietary		Proprietary	<0.2%		
Editic acid	60-00-4	607-429-00-8	200-449-4	0.02% - 0.12%		ATP01
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	68956-79-6		273-318-2	< 0.02%		
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5		269-919-4	<0.02%	Aquatic Chronic 1 – H410	

*If Chemical Name/CAS No. is “proprietary” or weight-% is listed as a range, the specific chemical identity or percentage of compositions has been withheld as a trade secret under 29 CFR 1910.1200(c)(2).

Additional information:

Full text of H- and EUH-phrases: see SECTION 16.

This mixture does not contain further substances fulfilling the criteria of hazard class "acute toxicity" according to CLP regulation.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 7 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on victim's back with legs slightly raised. Vomiting: prevent asphyxia or aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition seek medical attention.

Following inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induced artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

Following skin contact:

Take off contaminated clothing. Rinse skin with water or shower. Call a physician or poison control. Wash clothing before reuse.

Following eye contact:

Immediately wash eyes with water for 15 minutes. Remove contact lenses if possible. Take victim to ophthalmologist.

Following ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a physician or poison control.

Self-protection of the first aider:

Use one-way pocket respirator. Avoid contact with substance.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and Effects:

Burning pain and skin irritation. Causes serious eye damage. Irritation of the respiratory tract and mucosal membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: No information available.

Special treatment: No information available.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 8 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 5: Firefighting measures

5.1 Extinguishing media:

<u>Suitable extinguishing media:</u>	Use extinguishing measures that are appropriate to local circumstances and surrounding environment.
	Large volume of water
<u>Unsuitable extinguishing media:</u>	No unsuitable extinguishing media known

5.2 Special hazards arising from the substance or mixture

<u>Hazardous combustion products:</u>	Upon combustion: CO and CO₂ are formed. Avoid creating airborne dust, as it may combust.
---------------------------------------	--

5.3 Advice for fire-fighters

Instructions:	Cool container with water. Remove container to safe location. Do not move the product if exposed to heat. After cooling: persistent risk of physical explosion.
Protective equipment for firefighters:	Gloves. Safety glasses. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: Compressed air/oxygen apparatus.

Additional information:

May form combustible dust concentrations in air.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 9 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

<u>Protective equipment:</u>	Non-emergency personnel should wear protective equipment.
	See Section 8
<u>Emergency procedures:</u>	Evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind from release. Dust deposits should not be allowed to accumulate on surfaces, as sufficient dust may result in risk of flammable mixture. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust or fumes to levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged container or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	
<u>Personal protective equipment:</u>	Gloves. Safety glasses. Protective clothing. See section 8.

6.2 Environmental precautions:

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down or dilute the dust cloud with water spray. Prevent release into waterways or sewer.

6.3 Methods and material for containment and cleaning up

For containment:	Eliminate all ignition sources. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid release into waterways or sewer, this material contains chemicals classified as water pollutants under the Clean Water Act.
Clean-up:	Collect spill. If sweeping is necessary use a dust suppressant agent which does not react with this product. Sweep up or vacuum cleaner equipped with heap filter. Avoid dispersal of dust in the air. Minimize dust generation and accumulation. Wed down with water and dike for later disposal. Following product recover, flush area with water. For waste disposal, see section 13 of the SDS.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 10 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures:	Observe good industrial hygiene practices when using. Minimize dust generation and accumulation. Avoid contact with eye, skin, respiratory tract, or mucous membranes. Wash hands after handling and before eating or drinking.
<u>Advice on safe handling</u>	Store locked up. Keep away from heat, sparks, and open flame. Dry powders can build electricity when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see section 10 of the SDS). Store in a cool dry place.
<u>Fire preventions:</u>	Eliminate all sources of ignition. Combustible dust clouds may result if a fine dust is created in the use of this product.
<u>Aerosol and dust generation preventions:</u>	Minimize dust production and accumulation. Use only in a well-ventilated area.
<u>Environmental precautions:</u>	DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Avoid release into waterways or sewer.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	
Packaging materials:	Stainless steel, aluminium, polyethylene, polypropylene.
Requirements for storage rooms and vessels:	Store in a cool, dry place, away from direct sunlight. Maintain good housekeeping to prevent dust accumulation.
<u>Materials to avoid:</u>	Avoid contact with liquids, excessive humidity, excessive heat. Avoid contact with acids, ignition sources, and combustible materials.

7.3 Specific end uses:

<u>Recommendations:</u>	Use according to package recommendations. Follow recommended dilution.
<u>Specific end uses:</u>	Biosecurity Clean is intended for industrial use only. Use as instructed on packaging.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 11 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 8: Exposure controls/personal protection

Preventive industrial medical examinations are to be carried out.

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No.	Occupational exposure limit value		Monitoring and observation processes	Peak limitation	Source
				Long term	Short term			
AIHA (US)	Urea		57-13-6	10mg/m3		TWA		TRGS 900

8.1.2 Biological limit values:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No.	Limit Value	Parameter	Test material	Test date	Source

No biological exposure limit noted for these ingredients.

8.1.3 Exposure limits at intended use: No biological exposure limit noted for these ingredients.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas. Maintain access to eye wash station and chemical shower.

8.2.2 Personal protective equipment:

Eye / Face protection	
<u>Suitable eye protection:</u>	Wear safety glasses with side shields (or goggles) and a face shield (in case of dust production).
<u>Skin protection:</u>	Wear appropriate chemical resistant gloves and clothing.
<u>Respiratory protection:</u>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level, an approved respirator must be worn. Respirators include dust mask with filter type P2. In cases of extreme or emergency exposure use a positive pressure self-contained breathing apparatus.
<u>General hygiene:</u>	When using, do not eat, drink, or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, or smoking. Routinely wash work clothing and protective equipment.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 12 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

8.2.2 Environmental exposure controls:

See section 6 and 13 of the SDS.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Powder Colour: White Odour: None Odour threshold: Not available

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	8-10	0.5% solution				
Melting point/freezing point	Not available					
Initial boiling point/boiling range	Not available					
Flash point	>93.9C		Pensky-Martens			
Evaporation rate	Not applicable					
	Not combustible					
Upper/lower flammability or explosive limits	Not available					
Upper explosive limits						
Lower explosive limits						
Vapour pressure	Not applicable					
Vapour density	Not applicable					
Relative density	1.1			20.4C		
Solubility(ies)	140g/l		Water	20.0C		
Partition coefficient: n-octanol/water	Not available					
Auto-ignition temperature	Not available					
Decomposition temperature	>75C					
Viscosity	Not applicable					
Viscosity, dynamic						
Viscosity, cinematic						
Explosive properties	Not classified					
Oxidising properties	May intensify fire; oxidiser.					

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 13 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

SECTION 10: Stability and reactivity

10.1 Reactivity

Promotes combustion. Substance has basic reaction. Stable under normal storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions. Unstable on exposure to heat. Unstable on exposure to moisture.

10.3 Possibility of hazardous reactions

Decomposes slowly: oxidation resulting in increased fire or explosion risk. This reaction is accelerated on exposure to water (moisture) and temperature rise.

10.4 Conditions to avoid:

Avoid raising dust. Keep away from naked flames and heat. Avoid contact with moisture or acids.

10.5 Incompatible materials:

Combustible materials, oxidizing agents, strong acids, strong basis, metals, organic materials, water/moisture, carbon steel.

10.6 Hazardous decomposition products:

Reacts with many compounds: oxidation resulting increased fire or explosion risk. Upon combustion: CO and CO₂ are formed. Upon reaction product may yield oxides of nitrogen and ammonia.

SECTION 11: Toxicological information

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

Practical experience / human evidence:

Animal data:

	Effect dose / -concentration	Value	Species	Method	Symptoms / delayed effects	Remark
Biosecurity Clean						
Acute oral toxicity	LD50	636.7 mg/kg bw		Equivalent OECD 401		Mixture estimate
Acute dermal toxicity	ATE:	>2000 mg/kg bw		Equivalent OECD 402		
Acute inhalative toxicity (gas)	n/a					
Acute inhalative toxicity (vapour)	n/a					
Acute inhalative toxicity (dust/mist)	LC50	0.5-5.0 mg/l	Rat			



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 14 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Conclusion: Harmful if swallowed.

Skin corrosion/irritation

Assessment / Classification: Causes skin irritations or burns.

Eye damage/irritation

Practical experience / human evidence:

Animal data:

	Species	Method	Result / Evaluation	Remark
Biosecurity Clean	Rabbit	Equivalent OECD 405	Highly irritating. Serious eye damage.	

Other information: reversible.

Assessment / Classification: Based on available data, the substance is classified in category 2.

Sensitisation to the respiratory tract/skin

Sensitisation to the respiratory tract

Skin sensitisation

Practical experience / human evidence:

Animal data:

	Effect dose/ -concentration	Value	Species	Method	Result / Evaluation	Remark
Biosecurity Clean	48 hours	Non-sensitizing	Guinea pig	OECD 406	not sensitising	

Other information:

Assessment / Classification: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Assessment / Classification: This product is not considered to be carcinogenic by IARC, ACGIH, NTP or OSHA.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 15 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Reproductive toxicity

Assessment / Classification: This substance is not expected to cause reproductive or developmental effects.

Specific target organ toxicity (single exposure)

STOT SE 1 and 2

Assessment / Classification: May cause damage to organs.

STOT SE 3

Irritation to respiratory tract:

Assessment / Classification: Substance is irritating to respiratory tract, but not sensitizing.

Specific target organ toxicity (repeated exposure)

STOT RE 1 and 2

Assessment / Classification: Based on available data, the classification criteria are not met.

Aspiration hazard

Assessment / Classification: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity: Toxic to aquatic life with long lasting effects.

Aquatic toxicity

Acute (short-term) fish toxicity

	Effect dose/ -concentration	Value	Test duration	Species	Result/ Evaluation	Method	Remark
Biosecurity Clean	LC50	08.6 ppm	96 h	Fish			

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 16 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Acute (short-term) toxicity to crustacea

	Effect dose/ -concentration	Value	Test duration	Species	Result/ Evaluation	Method	Remark
Biosecurity Clean	LC50	0.06- 0.16 mg/l	48 hours	Daphnia		OECD 202	Immobilisation

Acute (short-term) toxicity to algae and cyanobacteria

	Effect dose/ -concentration	Value	Test duration	Species	Result/ Evaluation	Method	Remark
Biosecurity Clean	EC50	0.63 mg/l	96 hours	Algae		OECD 201	Inhibition of growth rate

12.2 Persistence and degradability

Assessment / Classification: No data available.

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential: Not bioaccumulative.

12.4 Mobility in soil

Assessment / Classification: Low potential for absorption in soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal:

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your state pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable Container. Do not reuse or refill this container. Puncture and dispose of in a sanitary landfill.



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 17 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Waste codes / waste designations according to EWC / AVV:

Waster material code (Directive 2008/98/EC, decision 2000/0532/EC).

16 09 03* (peroxides, for example hydrogen peroxide). Depending on branch of industry and production process, also other EURAL codes may be applicable.

Hazardous waste according to Directive 2008/98/EC.

Packaging:


Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

Other disposal recommendations:

Avoid pollution resulting in risk to people or animals.

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN No.	3378, 2923	3378	3378	3378
14.2 UN Proper shipping name	Sodium carbonate peroxyhydrate; Corrosive solid, toxic N.O.S. (Quaternary Ammonium Chloride)			
14.3 Transport hazard class(es) Hazard label(s)	5.1, 8 			
14.4 Packing group	II			
14.5 Environmental hazards	Yes, marine pollutant.			
14.6 Special precautions for user:	See section 8 of the SDS.			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code				

Additional information

All transport carriers

Land transport (ADR/RID)

Limited quantity: Not more than 2kg per inner packaging for solids. A package shall not weigh more than 60kg (gross mass).

Special provisions:

Tunnel restriction code:

Classification code:

Transport category:

Hazard identification number (Kemler No.):

Remark:

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 18 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Inland waterway transport (ADN)

Limited quantity: Not more than 2kg per inner packaging for solids. A package shall not weigh more than 60kg (gross mass).

Special provisions:

Category:

Remark:

Sea transport (IMDG)

Limited quantity: Not more than 2kg per inner packaging for solids. A package shall not weigh more than 60kg (gross mass).

Special provisions:

Marine pollutant: yes

Segregation group:

Remark: 967

Air transport (ICAO-TI / IATA-DGR)

Limited quantity: Passenger and cargo transport. 2.5kg.

Special provisions:

Remark:

SECTION 15: Regulatory information

15.1 This product is composed of a mixture of EPA registered pesticides.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 28 CFR 1910.1200.

15.1.1 EU regulations

Volatile Organic Compounds: n/a

REACH registration: registration time not yet expired, article 23.

European drinking water standards: Maximum concentration in drinking water: 200mg/l (sodium)(Directive 98/83/EC)

15.1.2 National regulations

CERCLA Hazardous Substance List (40 CFR 302.4): not listed

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard Categories:

Immediate hazard yes

Delayed hazard no

Fire hazard yes

Pressure hazard no

Reactivity hazard no

SARA 302 Extremely hazardous substance no

SARA 311/312 Hazardous chemical yes

SARA 313 (TRI reporting) not regulated

Clean Air Act

not regulated



Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Biosecurity Clean

Product No: 8006

Version: 1.1 / EN

Page 19 of 19

Print date: 2019 May 3

Revision date: 2019 April 5

Safe Drinking Water Act

not regulated

FIFRA Information:

This chemical is a pesticide, comprised of a mixture of registered pesticides under the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Signal word: Danger

Hazard statement: Corrosive.

Causes irreversible eye damage and skin burns.

May be fatal if swallowed or absorbed through skin.

This product is toxic to fish, aquatic invertebrates, oysters, and shrimp.

15.2 Chemical Safety Assessment:

For this substance a chemical safety assessment has not been performed.

SECTION 16: Other information

16.1 Issue date: 1 June 2017

16.2 Version: 2

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

16.4 Relevant R-, H- and EUH-phrases (number and full text): section 2.

16.7 Further information:

The information in this safety data sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transportation, and disposal of the substances under Section 1. New safety data sheets are written from time-to-time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word-for-word on the safety data sheet, the information does not apply to substances in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take³⁴ all measures dictated by common sense, regulations, and recommendations, or which are necessary or useful based on the user's circumstances. The accuracy and exhaustiveness of the information provided herein is not guaranteed and there shall be no liability to the author of this safety data sheet resulting from changes to this information by any third party. This safety data sheet is only to be used within the European Union and the United States. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in the product master label and in your purchasing documents. All intellectual property rights to this sheet are the property of Biosecurity Solutions and its distribution and reproduction are limited to the terms and conditions of the sale of this product. For further information consult the product master label and purchasing documentation.

