1. PRODUCT AND COMPANY IDENTIFICATION				
Product Name: Industrial Cleaner IC-100 Part B				
Company Name:	Artemis Bio-Solutions, LLC 14505 Torrey Chase Blvd Suite 205			
	Houston, TX 77014			
Email address:	info@artemisbiosolutions.com			
Emergency Contact:	AAPCC Poison Help INFOTRAC (US Transportation) CANUTEC (Canadian Transportation	+1 (800)424-9300 +1 (800)535-5053 +1 (613)996-6666		
Product Category: Intended Use:	Industrial cleaner to be used with Industria FOR INDUSTRIAL USE ONLY	ll Cleaner IC-100 Part A		

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1A Serious Eye Damage/Eye Irritation, Category 1

GHS Signal Word:	Danger		
GHS Hazard Phrases:	H314 - Causes severe skin burns and eye damage.		
	H318 - Causes serious eye damage.		
GHS Precautionary Phrases:	P260 - Do not breathe mist/vapors/spray.		
	P264 - Wash hands thoroughly after handling.		
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.		
GHS Response Phrases:	 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338 - 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 or doctor/physician. 		
GHS Storage and Disposal Phrases:	P405 - Store locked up. P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.		
3. COMPOSITION/INFORMATION ON INGREDIENTS			

CAS #	Hazardous Com	ponents (Chemical Name)	Concentration
7722-84-1	Hydrogen peroxid	le	< 8.0 %
7664-38-2	Phosphoric acid		< 5.0 %
Additional Co	omposition	**If Chemical Name/CAS No	is "N/A" and/or Weight-% is listed as a

Information:

a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST AID MEASURES

Emergency and First Aid Procedures:					
In Case of Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid.				
In Case of Skin Contact:	Wash off with soap and plenty of water. Remove and wash contaminated clothing before reuse. If skin irritation or rash occurs, seek medical advice/attention.				
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention immediately.				
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth and slowly drink several glasses of water. Get medical attention immediately.				
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.				
	5. FIRE FIGHTING MEASURES				
Flash Pt:	NA Method Used: Not Applicable				
Explosive Limits:	LEL: No data. UEL: No data.				
Autoignition Pt:	NA				
Suitable Extinguishing Media	a: Use water. Do not use dry chemicals or foams. CO2 or Halon may provide limited control.				
Fire Fighting Instructions:	Use extinguishing media appropriate for surrounding fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.				
Flammable Properties and Hazards:	Decomposition produces oxygen which support combustion. Remove containers from fire area if you can do so without risk. Cool containers with water spray until well after the fire is out.				
Hazardous Combustion Products:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus.				
	6. ACCIDENTAL RELEASE MEASURES				
Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.				
Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground. Do not allow uncontrolled discharge of product into the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).				
Steps To Be Taken In Case Material Is Released Or Spilled:	Ensure adequate ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent further leakage or spillage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Following product recovery, flush area with water.				
	7. HANDLING AND STORAGE				
Precautions To Be Taken in Handling:	Use with adequate ventilation. Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using. Do not ingest or inhale. Wash thoroughly after handling.				

Precautions To Be Taken in
Storing:Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away
from heat, sparks and flame. Keep away from sources of ignition - No smoking. Store
away from oxidizers. Keep from freezing. Protect from sunlight. Protect containers

against damage. Keep container tightly closed when not in use. Ideal storage temperature is 60 - 68F.

Other Precautions:

Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations	
7722-84-1	Hydrogen peroxide	ACGIH TLV	TLV: 1 ppm		
		NIOSH	TWA: 1.4 mg/m3 (1 ppm)		
		OSHA PELs	PEL: 1 ppm		
7664-38-2	Phosphoric acid	ACGIH TLV	TLV: 1 mg/m3 STEL: 3 mg/m3		
		NIOSH	TWA: 1 mg/m3 STEL: 3 mg/m3		
		OSHA PELs	PEL: 1 mg/m3		
Respirator (Specify Ty	y Equipment ype):	Not required under nor	mal conditions of use with adequate ventila	tion.	
Eye Protec	tion:	Wear safety glasses w	ith side shields. If splash is likely, goggles n	nay be needed.	
Protective	Gloves:	Wear appropriate glov	es to prevent skin exposure.		
Other Prot	ective Clothing:	Wear appropriate prote	ective clothing to prevent skin exposure.		
Engineerin (Ventilation	ng Controls n etc.):	•	ntilation. Facilities storing or utilizing this ma ash facility, and a safety shower is recomm		
Work/Hygi Practices:	enic/Maintenance	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.			
Environmental ExposureAvoid discharge into drains, water courses or onto the ground. Do not allow uncontControls:discharge of product into the environment.					
	9.	PHYSICAL AND	CHEMICAL PROPERTIES		
Physical S	tates:	[]Gas [X]Liquid	1 []Solid		
Appearanc	e and Odor:	Appearance: Clear. Lio Odor: Odorless.	quid. Colorless to pale yellow.		
pH:		1 - 2			
Melting Po	int:	-2.00 C (28.4 F)			
Boiling Po	int:	100.00 C (212.0 F)			
Flash Pt:		NA Method Used: N	Not Applicable		
Evaporatio	on Rate:	Not available			
Flammabil	ity (solid, gas):	No data available.			
Explosive	Limits:	LEL: No data.	UEL: No data.		
Vapor Pres mm Hg):	ssure (vs. Air or	20 MM_HG at 20.0	C (68.0 F)		
		Not available			
Vapor Den	sity (vs. Air = 1):	1.08 LB/CF			
Specific G 1):	ravity (Water =	1.03 - 1.04 at 2	20.0 C (68.0 F)		
Density:		8.6 at 20.0 C	(68.0 F)		
Solubility i	n Water:	NA Soluble			
-					

Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	NA
Decomposition	No data.
Temperature:	
Viscosity:	Not available

Information with regard to primary physical hazard:

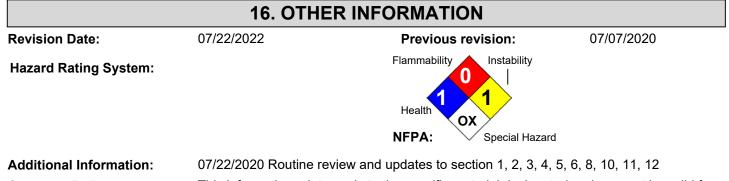
	10. STABILITY AND REACTIVITY
Reactivity:	Not reactive at normal temperatures and pressures.
Stability:	Unstable [] Stable [X]
Conditions To Avoid -	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Instability:	Stable under recommended handling and storage conditions.
Incompatibility - Materials To Avoid:	Heavy metals, Alkalis, combustible materials.
•	r High temperatures and fire conditions can result in the formation of carbon monoxide ar carbon dioxide, and oxides of: phosphorus, Decomposition produces oxygen which
Byproducts:	support combustion.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid -	No data available.
Hazardous Reactions:	11. TOXICOLOGICAL INFORMATION
Toxicological Information:	Epidemiology: No information available.
	Teratogenicity: No information available. Reproductive Effects: No information available.
	Mutagenicity: No information available.
	Neurotoxicity: No information available.
	Other Studies: CAS# 7664-39-3:
	Acute toxicity, LC50, Inhalation, Rat, 1276ppm, 1 H. Other Studies: CAS# 7664-39-3:
	Standard Draize Test, Eyes, Species:Human, 50 mg.
	Other Studies: CAS# 7664-38-2:
	Acute toxicity, LD50, Oral, Rat, 1530 mg/kg
	Acute toxicity, LD50, Skin, Rabbit, 2740 mg/kg
	Acute toxicity, LC50, Inhalation, Rat, 850.0 mg/m3, 1 H.
	Other Studies: CAS# 7664-38-2:
	Standard Draize Test, Eyes, Species:Rabbit, 119.0 mg.
Irritation or Corrosion:	Causes severe skin burns and eye damage.
	Causes serious eye damage.
Symptoms related to	Skin Contact: May cause severe irritation, local redness, and chemical burns, if
Toxicological Characteristics	s:untreated.
	Inhalation: May cause respiratory tract irritation and coughing.
	Ingestion: May cause nausea and vomiting.
	Eye Contact: May cause severe irritation, tearing, and redness. May cause severe eye damage.

Chronic Toxicological May cause severe eye damage. If left untreated, may cause injury to the cornea. **Effects:**

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No		
12. ECOLOGICAL INFORMATION					
General Ecological Information:	Environmental: No information available. Physical: No information available. Other Studies: CAS# 7664-38-2: Not reported. Rainbow Trout (Oncorhynchus mykiss), fingerling, 5.190%, 27 W. Other Studies: CAS# 7722-84-1: LC50, Bluegill (Lepomis macrochirus), 26.7 ppm, 96H, juvenile LC50, Rainbow trout (Oncorhynchus mykiss), 207 ppm, 2H, fry.				
Results of PBT and vPvB assessment:	No data available.				
Persistence and Degradability:	No data available.				
Bioaccumulative Potential:	No data available.				
Mobility in Soil:	No data available.				
	13. DI	SPOSAL CONSIDER	ATIONS		
Waste Disposal Method:	international	regulations. Avoid discharge	ordance with local, regional, national, and into drains, water courses or onto the ground. ed or minimized whenever possible.		
14. TRANSPORT INFORMATION					
LAND TRANSPORT (US DO	Г):				
DOT Proper Shipping Nar DOT Hazard Class: UN/NA Number:	ne: NOT RE	GULATED FOR DOMESTIC	TRANSPORT.		
15. REGULATORY INFORMATION					

EPA SARA (S	uperfund Amendments and Reauthorization Act	of 1986) Lists		
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7722-84-1	Hydrogen peroxide	Yes 1000 LB	No	No
7664-38-2	Phosphoric acid	No	Yes NA	No
CAS #	Hazardous Components (Chemical Name)	Other US EPA o	r State Lists	
7722-84-1	Hydrogen peroxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Active - 000595: Am/Bio/CC, Inert: NF; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1015; NY Part 597: Yes: HS; PA HSL: Yes - E; SC TAP: No; WI Air: Yes		
7664-38-2	Phosphoric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Active - 076001: Am/CC, Inert: F/NF; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. Ilb, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: No; NY Part 597: Yes: HS; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes		

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