

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Gloves
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading
Clean Up Procedures	Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, Avoid inhalation of mist, Wash thoroughly after handling, Avoid release to the environment, Triple rinse container before discarding
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials, Avoid storing in direct sunlight, Stored above 4.4°C (40°F) and below 49°C (120°F)
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids, powdered metals, zinc, iron, copper, nickel, brass

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Hydrogen Peroxide	1 ppm (1.4 mg/m ³)		1 ppm (1.4 mg/m ³)		RT

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)

**Ventilation**

General Ventilation

HMIS HAZARD RATINGS

Health	2
Flammability	0
Reactivity	1
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	1.002
Flammable Limits	ND	pH (± 0.3)	6.0 - 6.5
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	0°C (32°F)
Appearance	Clear	Boiling Point	100°C (212°F)
Odor	Mild Pleasant	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 99%	Partition Coefficient	ND
VOC	0.02%	Molecular Weight (g/mol)	~ 20.96
LVP-VOC	0.0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored above 4.4°C (40°F) and below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids, powdered metals, zinc, iron, copper, nickel, brass
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation, by direct product eye contact
Skin Can cause skin irritation, redness, drying or cracking
Inhalation Spray mist may cause mild irritation, to respiratory tract
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye irritation, redness, tearing, or pain, by direct product eye contact
Skin Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation Spray mist may cause irritation, to mucus membranes or respiratory tract
Ingestion May be harmful if swallowed, Symptoms may include, vomiting, abdominal pain, nausea or diarrhea

Acute Tox Calculated **Oral:** 56,287 mg/kg **Dermal:** 99,082 mg/kg **Inhaled:** 113.9 mg/L

Acute Tox Category Not applicable (Oral >5000 mg/kg), Not applicable (Dermal >5000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist

Additional Info

Target Organs Liver, Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions Preexisting, eye, skin, liver, respiratory, disorders may be aggravated by exposure to this product
Notes to Physician In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Hydrogen Peroxide	LD50	Oral	Rat	1,270 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	2.0 mg/L	4 Hour (Mist)	4 (>1.0, ≤5 mg/L)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Hydrogen Peroxide	LC50	Fathead Minnow	(Pimephales promelas)	16.4 mg/L	96 Hours	3 (>10, ≤100 mg/L)

Persistence And Degradability This product is inherently biodegradable according to the OECD definition
Bioaccumulative Potential There is no evidence to suggest bioaccumulation will occur
Mobility In Soil This material is a mobile liquid
Other Adverse Effects Harmful to aquatic life

SECTION – 13 DISPOSAL CONSIDERATIONS**DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER****Dispose of any waste in accordance with all State and Federal Guidelines and Regulations****ENVIRONMENTAL FATE**

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

CONTAINER DISPOSAL - Triple rinse container then offer for recycling. If not available, puncture and dispose in a sanitary landfill

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION****UN Number** **Proper Shipping Name** n.o.s. (Chemicals) or "Limits"

Not Regulated Non Hazardous – Compounds Cleaning Liquid

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	154	No		

Additional Info:

SECTION – 15 REGULATORY INFORMATION

TSCA														
CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety				Sec 4(a) Chemical Test Rules				Sec 12(b) Export Notification				
Hydrogen Peroxide	Yes													
REPORTABLE QUANTITIES														
CHEMICAL NAME	Extremely Hazardous			Reportable Quantity			Emission Reporting							
Hydrogen Peroxide (> 52%)	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r								
				1000										
SARA														
CHEMICAL NAME	Section 311				Section 311 / 312 Hazards									
Hydrogen Peroxide	Hazardous Chemical				Acute	Chronic	Flammable	Pressure	Reactive					
	Yes				Yes	Yes			Yes			Yes		
RIGHT TO KNOW														
CHEMICAL NAME	STATE													
Hydrogen Peroxide	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI	
				Yes				Yes		Yes				
CALIFORNIA														
CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:												
None Listed		Birth Defects			Reproductive Harm			Carcinogen			Developmental			
CLEAN AIR WATER ACTS														
CHEMICAL NAME	CAS #	Clean Air Acts				Clean Water Acts								
None Listed		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP							
INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:														
CHEMICAL NAME	Australia	Canada	Europe (EINECS)			Japan	Korea	UK						
Hydrogen Peroxide	Yes	Yes	Yes			Yes	Yes	Yes						
WHMIS Classification														
CHEMICAL NAME	DSL	Class	Description											
Hydrogen Peroxide	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material											
		C	Oxidizing Material											

SECTION – 16 OTHER INFORMATION

SDS	LEGEND DESCRIPTION	
ACGIH	American Conference of Governmental Industrial Hygienists	LC50 A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50 Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD Liver Damage
CI	Cochlear Impairment	NA Not Applicable
CNS	Central Nervous System	ND Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE Not Established
FBG	Full Bunker Gear	NTP National Toxicology Program
GHS	Globally Harmonized System	OSHA Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin (SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL Upper Explosive Limit

Core Products Co., Inc.

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