

Buy 25% Hydrogen Peroxide Online At https://www.laballey.com/products/buy-25-food-grade-hydrogen-peroxide-for-sale

SAFETY DATA SHEET

Creation Date 28-Oct-2009	Revision Date 15-Mar-2019	Revision Number 2
	1. Identification	
Product Name	Hydrogen peroxide, 25%	
Cat No. :	C4385	
Synonyms	Hydrogen Dioxide; Peroxide; Carbamide Peroxide	
Recommended Use	Laboratory chemicals.	
Uses advised against Details of the supplier of the sat	No Information available fety data sheet	

Company

Lab Alley LLC 22111 Highway 71 West, Suite 601 Spicewood, Texas 78669 512-668-9918

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity Serious Eye Damage/Eye Irritation Category 4 Category 1

Label Elements

Signal Word Danger

Hazard Statements Harmful if swallowed

Causes serious eye damage



Precautionary Statements Prevention

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection Keep away from heat/sparks/open flames/hot surfaces. - No smoking Keep/Store away from clothing/ other combustible materials Take any precaution to avoid mixing with combustibles Wear fire/flame resistant/retardant clothing Response Immediately call a POISON CENTER or doctor/physician Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Skin Wash contaminated clothing before reuse IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes Rinse skin with water/shower Eves IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Ingestion **Rinse mouth** Do NOT induce vomiting Fire In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion In case of fire: Use CO2, dry chemical, or foam for extinction Storage Store locked up Store in a well-ventilated place. Keep container tightly closed Disposal Dispose of contents/container to an approved waste disposal plant Hazards not otherwise classified (HNOC) None identified

3. Composition / information on ingredients

Component	CAS-No	Weight %	
Water	7732-18-5	65 - 80	
Hydrogen peroxide	7722-84-1	20 - 35	

4. First-aid measures			
General Advice	If symptoms persist, call a physician.		
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.		
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.		
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.		
Ingestion	Clean mouth with water and drink afterwards plenty of water.		
Most important symptoms/effects Notes to Physician	Causes eye burns. Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation Treat symptomatically		
5. Fire-fighting measures			

Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature Explosion Limits	No information available
Upper	100%
Lower	40%
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical

Corrosive Material. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products

oxygen Hydrogen Thermal decomposition can lead to release of irritating gases and vapors

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u>	Health 3	Flammability 0	Instability 1	Physical hazards OX
		6. Accidental rel	ease measures	
Personal PrecautionsEnsure adequate ventilation. Use personal protective equipment.Do not use steel or aluminum tools or equipmentequipmentEnvironmental PrecautionsShould not be released into the environment. Do not flush into surface sewer system. See Section 12 for additional ecological information environment. Collect spillage.			h into surface water or sanitary	

Methods for Containment and Clean Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Up

	7. Handling and storage
Handling	Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Ensure adequate ventilation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality. Keep refrigerated. Keep away from direct sunlight. Do not store in metal containers. Containers should be vented periodically in order to overcome pressure buildup.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide	TWA: 1 ppm	(Vacated) TWA: 1 ppm	IDLH: 75 ppm
		(Vacated) TWA: 1.4 mg/m ³	TWA: 1 ppm
		TWA: 1 ppm	TWA: 1.4 mg/m ³
		TWA: 1.4 mg/m ³	_

Component	Quebec	Mexico OEL (TWA)	Ontario TWAEV
Hydrogen peroxide	TWA: 1 ppm TWA: 1.4 mg/m³	TWA: 1 ppm TWA: 1.5 mg/m ³ STEL: 2 ppm STEL: 3 mg/m ³	TWA: 1 ppm

Legend

ACGIH - American Conference of Governmental Industrial Hygienists OSHA - Occupational Safety and Health Administration NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health			
Engineering Measures	Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.		
Personal Protective Equipment			
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Tightly fitting safety goggles. Face-shield.		
Skin and body protection	Long sleeved clothing.		
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.		
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.		

9. Physical and chemical properties				
Physical State	Liquid			
Appearance	Colorless			
Odor	Slight			
Odor Threshold	No information available			
рН	3.3			
Melting Point/Range	-33 °C / -27.4 °F			
Boiling Point/Range	108 °C / 226.4 °F @ 760 mmHg			
Flash Point	No information available			
Evaporation Rate	1.0 (Butyl acetate = 1.0)			
Flammability (solid,gas)	Not applicable			
Flammability or explosive limits				
Upper	100%			
Lower	40%			
Vapor Pressure	No information available			
Vapor Density	1.10			
Specific Gravity	1.110			
Solubility	Miscible with water			
Partition coefficient; n-octanol/water	No data available			
Autoignition Temperature	No information available			
Decomposition Temperature	> 125°C			
Viscosity	No information available			

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions. Sensitivity to light.
Conditions to Avoid	Incompatible products. Excess heat. Exposure to light.
Incompatible Materials	Strong oxidizing agents, Metals, Reducing agents, Alcohols, Ammonia, copper, Copper alloys, lead oxides, Cyanides, Sulfides, lead, Acetone, Aluminium,
Hazardous Decomposition Product	s oxygen, Hydrogen, Thermal decomposition can lead to release of irritating gases and vapors

Hazardous Polymerization

Hazardous Reactions

None under normal processing.

11. Toxicological information

Hazardous polymerization does not occur.

Acute Toxicity

Acute TOXICITY						
Product Information	1					
Oral LD50	LD50		Category 4. ATE = 300 - 2000 mg/kg.			
Dermal LD50		Based on ATE dat	a, the classificatio	n criteria are not m	et. ATE > 2000 mg	ı/kg.
	Component Information			DE0 Dormal		Inholation
Componen Hydrogen pero		LD50 Oral 376 mg/kg (Rat) (90 ⁴		LD50 Dermal 0 mg/kg (Rabbit)		Inhalation (Rat)4 h
	xide	910 mg/kg (Rat) (20-6	%) >200 0%)	u mg/kg (Kabbil)	2 g/m°	(((() 4))
		1518 mg/kg (Rat) (8-20				
Toxicologically Syn Products	-	No information ava		d long torm ovno		
Irritation		Causes severe eye				
Sensitization		No information ava	ailable			
Carcinogenicity		The table below in	dicates whether ea	ach agency has list	ted any ingredient a	as a carcinogen.
Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Water	7732-18-5		Not listed	Not listed	Not listed	Not listed
Hydrogen peroxide	7722-84-1		Not listed	A3	Not listed	A3
IARC: (Internation	al Agency for	Research on Cancer)		national Agency for l arcinogenic to Huma	Research on Cancer)	
ACGIH: (American Conference of G Hygienists) Mexico - Occupational Exposure Lir			A2 - Suspected Human Carcinogen A3 - Animal Carcinogen ACGIH: (American Conference of Governmental Industrial Hygienists)			
Mutagenic Effects		No information ava			Ũ	
Reproductive Effect	S	No information ava	ailable.			
Developmental Effe	cts	No information ava	ailable.			
Teratogenicity		No information ava	ailable.			
STOT - single expos STOT - repeated exp		None known I re None known				
Aspiration hazard		No information available				
delayed		Possible perforation	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation			
Endocrine Disruptor	r Information					
Other Adverse Effects The toxicological properties have not been fully investigated.						

12. Ecological information

Ecotoxicity

Contains a substance which is:. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component	Freshwater	Algae	Freshwater Fish	Microtox	Water Flea
Hydrogen peroxide	EC50 2.5 mg	'L/72h	LC50: 16.4 mg/L/96h (P.promelas)	Not listed	EC50 7.7 mg/L/24h
Persistence and DegradabilityPersistence iBioaccumulation/ AccumulationNo information		s unlikely Decomposes So on available.	luble in water		

Mobility

Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Hydrogen peroxide	-1.1

13. Disposal considerations

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT	
UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II
TDG	
UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II
IATA	
UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II
IMDG/IMO	
UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II
	15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Water	Х	Х	-	231-791-2	-		Х	-	Х	Х	Х
Hydrogen peroxide	Х	Х	-	231-765-0	-		Х	Х	Х	Х	Х

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA. F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Not applicable

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)	Not applicable
SARA 313	Not applicable

SARA 311/312 Hazardous Acute Health Hazard Chronic Health Hazard Fire Hazard Sudden Release of Pro	1	Yes Yes No No
Reactive Hazard		No
Clean Water Act	Not applicable	

OSHA Occupational Safety and Health Administration

Not applicable

Clean Air Act

Component	Specifically Regulated Chemicals	Highly Hazardous Chemicals
Hydrogen peroxide	-	TQ: 7500 lb

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Hydrogen peroxide	-	1000 lb

California Proposition 65

This product does not contain any Proposition 65 chemicals

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Water	-	-	Х	-	-
Hydrogen peroxide	Х	Х	Х	-	Х

U.S. Department of Transportation

Reportable Quantity (RQ):	Ν
DOT Marine Pollutant	Ν
DOT Severe Marine Pollutant	Ν

U.S. Department of Homeland Security

This product contains the following DHS chemicals:

Component	DHS Chemical Facility Anti-Terrorism Standard		
Hydrogen peroxide	2000 lb STQ (concentration of at least 30%)		

Other International Regulations

Mexico - Grade

No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

E Corrosive material



	16. Other information
Prepared By	Regulatory Affairs Lab Alley LLC
	Email: customerservice@laballey.com
Creation Date	28-Oct-2009
Revision Date	15-Mar-2019
Print Date	15-Mar-2019
Revision Summary	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
Disalaiman	

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS