

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Magnum Plus,
Synonyms UN/ID No.	No information available
Item #	UN2984
Revision Date	16444
Safety Data Sheet Number	Sep-02-2024
Use	802001
Uses advised against	<u>Industrial and professional use As a Laundry Detergent with Peroxide</u>
	Consumer uses: Private households (= general public = consumers).

Company Name
 Burns Chemical Services
 205 West Drive
 Greensburg, PA 15601
 (412) 906-6000

24 Hour Emergency Phone Number 724-853-8877


2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Oxidizing liquids	Category 3

Emergency Overview

DANGER

<p>Hazard statements</p> <p>Physical hazards</p>	<p>Causes severe skin burns and eye damage</p> <p>May cause or intensify fire; oxidizer</p>
	

Prevention

- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection

Response

- Immediately call a POISON CENTER or doctor/physician
- Specific treatment (see section 4 on this Safety Data Sheet)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

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Precautionary statements

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Storage

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
• Store locked up

Disposal

• Dispose of contents/container to an approved waste disposal plant

Other Information

Other hazards

Unknown Acute Toxicity

• Harmful to aquatic life with long lasting effects
0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	Weight-% *
Water	7732-18-5	231-791-2	88
Hydrogen peroxide	7722-84-1	231-765-0	9
Surfactant Blend	Trade Secret		18

4. FIRST AID MEASURES

General advice

- If symptoms persist, call a physician
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not get in eyes, on skin, or on clothing
- Immediate medical attention is required

Eye contact

- Keep eyes wide open while rinsing
- Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
- If symptoms persist, call a physician
- Immediate medical attention is required
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin contact

- Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
- Consult a physician if necessary

Inhalation

- Remove to fresh air
- Call a physician
- If breathing is irregular or stopped, administer artificial respiration
- Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation
- If not breathing, give artificial respiration
- If breathing is labored, administer oxygen
- Call a physician or poison control center immediately

Ingestion

- Do NOT induce vomiting
- Drink plenty of water
- Rinse mouth
- If symptoms persist, call a physician
- Immediate medical attention is required
- Remove from exposure, lie down
- Clean mouth with water and drink afterwards plenty of water
- Never give anything by mouth to an unconscious person
- Call a physician or poison control center immediately

Note to physician

• Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood

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Self-protection for first aid personnel

pressure may occur with moist rales, frothy sputum, and high pulse pressure

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

- Dry chemical, CO₂, water spray or alcohol-resistant foam
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

- No information available

Specific hazards arising from the chemical

- The product causes burns of eyes, skin and mucous membranes
- Thermal decomposition can lead to release of irritating and toxic gases and vapors• In the event of fire and/or explosion, do not breathe fumes

Protective equipment and precautions for firefighters

- Wear self contained breathing apparatus for fire fighting if necessary

Flammable properties

- No information available

Explosive properties

- No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

- Use personal protective equipment as required
- Evacuate personnel to safe areas
- Avoid contact with skin, eyes or clothing
- Keep people away from and upwind of spill/leak

Environmental precautions

- For small spills, absorb material with clay absorbent or other compatible material. Dispose of the waste material according to local, state and governmental requirements.
- For large spills, contain the material using barriers of absorbent pigs,absorbent

Methods for cleaning up

- Cover liquid spill with sand, earth or other non-combustible absorbent material
- Cover powder spill with plastic sheet or tarp to minimize spreading
- Pick up and transfer to properly labeled containers
- Dam up
- Take up mechanically, placing in appropriate containers for disposal• After cleaning, flush away traces with water

Other Information

- No information available

7. HANDLING AND STORAGE

Advice on safe handling

- Avoid contact with skin, eyes or clothing
- Use personal protective equipment as required• Wash contaminated clothing before reuse
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- In case of insufficient ventilation, wear suitable respiratory equipment
- Use only with adequate ventilation and in closed systems

Storage Conditions

- Keep container tightly closed in a dry and well-ventilated place
- Keep out of the reach of children
- Keep containers tightly closed in a dry, cool and well-ventilated place • Keep in properly labeled containers

Incompatible materials

Incompatible with strong acids and bases, Incompatible with oxidizing agents
Use personal protective equipment as required

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

Exposure Guidelines

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measure

as personal protective equipment

Respiratory protection

- A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

Eye/Face protection

- Tight sealing safety goggles
- Face protection shield

Skin and body protection

- Wear suitable protective clothing
- Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

General Hygiene Considerations

- When using do not eat, drink or smoke
- Wash contaminated clothing before reuse
- Keep away from food, drink and animal feeding stuffs
- Contaminated work clothing should not be allowed out of the workplace
- Regular cleaning of equipment, work area and clothing is recommended
- Avoid contact with skin, eyes or clothing
- Take off all contaminated clothing and wash it before reuse
- Wear suitable gloves and eye/face protection

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	clear
Color	colorless
Odor	Odorless
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	2-4	
Melting point/Freezing Point	-26 °C / -15 °F	
Boiling point / boiling range	No information available °C	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit (%)	No information available	
Lower flammability limit (%):	No information available	
Vapor pressure	28 mm Hg	
Vapor density	No information available	
Specific Gravity	1.04	
Water solubility	completely soluble	
Solubility in other solvents	No information available	
Partition coefficient	No information available	

Magnum Plus
Autoignition temperature No information available
Decomposition temperature No information available
Kinematic viscosity No information available
Dynamic viscosity No information available
Explosive properties No information available
Oxidizing properties No information available

Other Information
Softening point °C No information available
Molecular weight No information available
VOC Content (%) No information available
Density No information available
Bulk density 8.68 Pounds per gallon (lb/gal)

10. STABILITY AND REACTIVITY

Stability • Stable under recommended storage conditions
Conditions to avoid • Exposure to air or moisture over prolonged periods
Incompatible materials Incompatible with strong acids and bases, Incompatible with oxidizing agents
Hazardous Decomposition Products • Thermal decomposition can lead to release of irritating and toxic gases and vapors
Possibility of Hazardous Reactions • None under normal processing and storage

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principle Routes of Exposure Inhalation, Skin contact, Eye contact
Inhalation May cause irritation of respiratory tract. Avoid breathing vapors or mists.
Ingestion May be harmful if swallowed.
Skin contact May cause skin irritation and/or dermatitis. **Eye contact**
 Contact with eyes may cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)		
Hydrogen peroxide 7722-84-1	= 1518 mg/kg (Rat)	= 9200 mg/kg (Rabbit)	= 2000 mg/m ³ (Rat) 4 h

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide 7722-84-1	A3	Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Not classifiable as a human carcinogen

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw

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necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.
Eyes, Respiratory system, Skin.
No information available.

Target Organ Effects

Aspiration hazard

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity **The following values are calculated based on chapter 3.1 of the GHS document .**

Oral LD50 18626 mg/kg
LC50 (Dust/Mist) 25 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Harmful to aquatic life with long lasting effects

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hydrogen peroxide 7722-84-1	2.5: 72 h Chlorella vulgaris mg/L EC50	10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50	18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50

Persistence and degradability No information available

Bioaccumulation No information available

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes • This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

Contaminated packaging • Do not reuse container

US EPA Waste Number • D001

• D002

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Hydrogen peroxide 7722-84-1	Toxic Corrosive Ignitable Reactive

14. TRANSPORT INFORMATION

DOT

Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS

Hazard Class 5.1

UN/ID No. UN2984

Packing Group III

Technical Name Description WITH NOT LESS THAN 8 PERCENT BUT NOT MORE THAN 20 PERCENT HYDROGEN PEROXIDE STABILIZED AS NECESSARY

Description UN2984, Hydrogen peroxide, aqueous solutions, 5.1, III

Special Provisions A1, IB2, IP5, T4, TP1, TP6, TP24, TP37

Emergency Response Guide Number 140

Transport Canada

UN/ID No. UN2984

Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Hazard Class 5.1

Packing Group III

Magnum Plus**Description**

UN2984, Hydrogen peroxide, aqueous solution, 5.1, III

IATA

UN/ID No. UN2984
 Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION
 Hazard Class 5.1
 Packing Group III
 ERG Code 5L
 Special Provisions **IMDG** A803

UN/ID No. UN2984
 Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION
 Hazard Class 5.1
 Packing Group III
 EmS-No. F-H, S-Q
 Special Provisions 65

15. REGULATORY INFORMATION**US Federal Regulations****SARA 311/312 Hazard Categories**

Acute health hazard Yes
 Chronic Health Hazard No
 Fire hazard No
 Sudden release of pressure hazard No
 Reactive Hazard No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ (lbs)(dry)
Hydrogen peroxide 7722-84-1		1000 lb	

Canada**WHMIS Classification**

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

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Hydrogen peroxide 7722-84-1	X	X	X

Magnum Plus
International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 3	Flammability 0	Instability 1	Physical and Chemical Properties
<u>HMIS</u>	Health hazards 3	Flammability 0	Physical hazards 1	Personal protection H
Item #	16444			
Safety Data Sheet	5498			
Revision Date	Sep-02-2024			
Issue Date	Sep-02-2024			
Version	1			
Revision Note	Original Product SDS			

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End of Safety Data Sheet