

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Hydrogen Peroxide 34%</b>	
<b>Other means of identification</b>		
<b>Product Number</b>	0816340	
<b>Synonyms</b>	HYDROGEN PEROXIDE SOLUTION (8% TO 40% PEROXIDE) * HIDROGEN PEROKSIDA	
<b>Recommended use</b>	Oil and Gas Foamer This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	Thatcher Company, Inc.	
<b>Address</b>	1905 Fortune Road Salt Lake City, UT 84104 United States	
<b>Telephone</b>	General Assistance 8-5	(801) 972-4587
<b>E-mail</b>	Not available.	
<b>Emergency phone number</b>	Chemtrec (CCN 22106)	(800) 424-9300

## 2. Hazard(s) identification

<b>Physical hazards</b>	Oxidizing liquids	Category 2
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 2
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, repeated exposure	Category 2
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes severe skin burns and eye damage. Causes serious eye damage. May intensify fire; oxidizer.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep out of reach of children. Read label before use. Do not breathe gas. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Collect spillage.
<b>Storage</b>	Store in a dry place. Store in a closed container.

<b>Disposal</b>	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Contact with water may generate toxic, irritating and corrosive gases.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	66
Hydrogen Peroxide		7722-84-1	34

### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove to fresh air.
<b>Skin contact</b>	Wash off immediately with plenty of water. Take off contaminated clothing and wash before reuse.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	In case of shortness of breath, give oxygen. Get medical attention if symptoms occur.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Flood with water.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	Container may explode in heat of fire.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers with flooding quantities of water until well after fire is out.
<b>Specific methods</b>	Use water spray to cool unopened containers. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Cool containers exposed to flames with water until well after the fire is out.
<b>General fire hazards</b>	Non-flammable May intensify fire; oxidizer.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
<b>Methods and materials for containment and cleaning up</b>	Clean up in accordance with all applicable regulations.
<b>Environmental precautions</b>	Keep away from living quarters. Do not flush into surface water or sanitary sewer system.

### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with skin. Avoid contact with eyes. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Wash contaminated clothing before reuse. Wash thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up. Keep away from heat, sparks and open flame. Keep away from living quarters. Keep away from food, drink and animal feedingstuffs. Do not allow material to freeze.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value
Hydrogen Peroxide 34%	PEL	1.4 mg/m3 1 ppm

Components	Type	Value
Hydrogen Peroxide (CAS 7722-84-1)	PEL	1.4 mg/m3 1 ppm

#### US. ACGIH Threshold Limit Values

Material	Type	Value
Hydrogen Peroxide 34%	TWA	1 ppm

Components	Type	Value
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value
Hydrogen Peroxide 34%	TWA	1.4 mg/m3 1 ppm

Components	Type	Value
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1.4 mg/m3 1 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Not available.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** If splashes are likely to occur, wear: goggles and/or face shield, giving complete protection to eyes Do not wear contact lenses Wear eye/face protection.

#### Skin protection

**Hand protection** Wear protective gloves.

**Other** Avoid contact with the skin. Wear suitable protective clothing and gloves. Wear eye/face protection.

**Respiratory protection** Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

**Thermal hazards** Not available.

**General hygiene considerations** Keep away from food and drink. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Clear colorless or nearly colorless
<b>Odor</b>	Mild.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.

<b>Flammability (solid, gas)</b>	Not Flammable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Miscible
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	9.44 lb/gal estimated
<b>Oxidizing properties</b>	Strong oxidizer.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Incompatible materials</b>	Organic materials Combustible material. Excessive heat.
<b>Hazardous decomposition products</b>	Hydrogen chloride. Oxygen.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Not available.
<b>Skin contact</b>	Not available.
<b>Eye contact</b>	Causes eye irritation.
<b>Ingestion</b>	Not available.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Not available.
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### Information on toxicological effects

<b>Acute toxicity</b>	Not established.
<b>Skin corrosion/irritation</b>	Causes irritation.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.

### Respiratory or skin sensitization

<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	Not available.

<b>Germ cell mutagenicity</b>	Not available.
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<b>Carcinogenicity</b>	Not classified.
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### IARC Monographs. Overall Evaluation of Carcinogenicity

Hydrogen Peroxide (CAS 7722-84-1)

3 Not classifiable as to carcinogenicity to humans.

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Not established.
<b>Chronic effects</b>	Not established.

## 12. Ecological information

<b>Ecotoxicity</b>	No ecotoxicity data noted for the ingredient(s).
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Will not bioaccumulate.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	Not available.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	Dispose of product in accordance with all local, state and federal regulations

## 14. Transport information

### DOT

<b>UN number</b>	UN2014
<b>UN proper shipping name</b>	Hydrogen peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary) (Hydrogen Peroxide)
<b>Transport hazard class(es)</b>	
<b>Class</b>	5.1
<b>Subsidiary risk</b>	8
<b>Label(s)</b>	5.1, 8
<b>Packing group</b>	II
<b>Special precautions for user</b>	Not available.
<b>Special provisions</b>	12, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37
<b>Packaging exceptions</b>	None
<b>Packaging non bulk</b>	202
<b>Packaging bulk</b>	243

### DOT BULK

#### BULK

<b>UN number</b>	UN2014
<b>UN proper shipping name</b>	Hydrogen peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary) (Hydrogen Peroxide)
<b>Transport hazard class(es)</b>	
<b>Class</b>	5.1
<b>Subsidiary risk</b>	8
<b>Label(s)</b>	5.1, 8
<b>Packing group</b>	II
<b>Special provisions</b>	12, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37
<b>Packaging exceptions</b>	None
<b>Packaging non bulk</b>	202
<b>Packaging bulk</b>	243

### IATA

<b>UN number</b>	UN2014
<b>UN proper shipping name</b>	Hydrogen peroxide, aqueous solution with 20% or more but 40% or less hydrogen peroxide (stabilized as necessary) (Hydrogen Peroxide)

**Transport hazard class(es)**

**Class** 5.1  
**Subsidiary risk** 8  
**Packing group** II  
**Environmental hazards** No.  
**ERG Code** 5C  
**Special precautions for user** Not available.

**Other information**

**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

**IMDG**

**UN number** UN2014  
**UN proper shipping name** HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary) (Hydrogen Peroxide)

**Transport hazard class(es)**

**Class** 5.1  
**Subsidiary risk** 8  
**Packing group** II  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-H, S-Q  
**Special precautions for user** Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

**DOT; DOT Bulk packaging type**



**IATA; IMDG**



**15. Regulatory information**

**US federal regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Hydrogen Peroxide (CAS 7722-84-1) 1000 LBS

**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 - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Hydrogen Peroxide	7722-84-1	1000	1000 lbs		

**SARA 311/312 Hazardous chemical**  
 No

**SARA 313 (TRI reporting)**  
 Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**  
 Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**  
 Not regulated.

**Safe Drinking Water Act (SDWA)**  
 Not regulated.

**Food and Drug Administration (FDA)**  
 Total food additive  
 Direct food additive  
 GRAS food additive

**US state regulations**

**US - New Jersey RTK - Substances: Listed substance**  
 Hydrogen Peroxide (CAS 7722-84-1)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**  
 Not listed.

**US. Massachusetts RTK - Substance List**  
 Hydrogen Peroxide (CAS 7722-84-1)

**US. New Jersey Worker and Community Right-to-Know Act**  
 Hydrogen Peroxide (CAS 7722-84-1)

**US. Pennsylvania RTK - Hazardous Substances**  
 Hydrogen Peroxide (CAS 7722-84-1)

**US. Pennsylvania Worker and Community Right-to-Know Law**  
 Hydrogen Peroxide (CAS 7722-84-1)

**US. Rhode Island RTK**  
 Hydrogen Peroxide (CAS 7722-84-1)

**US. California Proposition 65**  
 Not Listed.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

Issue date	08-20-2015
Revision date	08-20-2015
Version #	02
NFPA ratings	Health: 4 Flammability: 0 Instability: 0 Special hazards: OX

### NFPA ratings



**Disclaimer** Not available.

**Revision Information** Product and Company Identification: Product and Company Identification