

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Product name : **WaterSolv BC**  
 Product code : 11639

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Descaler  
 Cleaner

#### 1.3. Details of the supplier of the safety data sheet

HercChemTech, LLC  
 7032 East Cortez Road  
 Scottsdale, AZ 85254-5123 - USA  
 T (480) 650-6955

#### 1.4. Emergency telephone number

Emergency number : (480) 650-6955

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Ox. Liq. 1 H271  
 Acute Tox. 4 (Oral) H302  
 Acute Tox. 4 (Inhalation:dust,mist) H332  
 Skin Corr. 1B H314  
 Eye Dam. 1 H318

Full text of H- and EUH-statements: see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms :



Signal word :

Danger

Hazard statements :

May cause fire or explosion; strong oxidizer.  
 Harmful if swallowed or if inhaled.  
 Causes severe skin burns and eye damage.  
 Causes serious eye damage.

Precautionary statements :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking heat, hot surfaces, open flames, sparks.  
 Keep/Store away from combustible materials.  
 Take any precaution to avoid mixing with combustible materials.  
 Do not breathe mist.  
 Avoid breathing mist.  
 Wash hands and forearms thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection, face protection, protective clothing, protective gloves.  
 Wear fire/flame resistant/retardant clothing.  
 If swallowed: Call a POISON CENTER 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 person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
Immediately call a poison center or doctor/physician.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Specific treatment (see the emergency and first aid section of this Safety Data Sheet on this label).  
Rinse mouth.  
Wash contaminated clothing before reuse.  
In case of fire: Use Water spray or fog to extinguish.  
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3. Hazard not otherwise classified (HNOC)

No additional information available.

### 2.4. Unknown acute toxicity (GHS US)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable.

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

Full text of H- and EUH-statements: see section 16

### 3.2. Mixture

Name	Product identifier	%	GHS US classification
hydrogen peroxide	(CAS-No.) 7722-84-1	30 - 35	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314
*proprietary	(CAS-No.) 79-14-1	5 - 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314
*multiple proprietary ingredients	*proprietary	*proprietary	*proprietary

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: If you feel unwell, seek medical advice.
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Causes burns/corrosion of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Harmful if swallowed. Burns to the gastric/intestinal mucosa.

### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray or fog.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : May cause fire or explosion; strong oxidizer.

#### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : No additional information available.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use special care to avoid static electric charges. Isolate from fire, if possible, without unnecessary risk.

##### 6.1.1. For non-emergency personnel

Protective equipment : Protective goggles.  
Protective clothing.  
Flame retardant protective clothing.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dilute combustible/toxic gases/vapors with water spray.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

#### 6.4. Reference to other sections

No additional information available.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe mist. Ensure good ventilation of the work station. Handle and open the container with care. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Observe normal hygiene standards. Provide local exhaust or general room ventilation. Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and forearms thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation. Take precautionary measures against static discharge. Comply with applicable regulations.

Incompatible products : Strong bases. Organic materials.

Incompatible materials : Combustible materials.

Heat-ignition : KEEP SUBSTANCE AWAY FROM: Heat sources. Ignition sources.

Storage area : Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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hydrogen peroxide (7722-84-1)		
ACGIH	ACGIH TWA (ppm)	1 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	1 ppm

### 8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or face shield.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.
Appropriate engineering controls	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: Mild
Odor threshold	: No data available
pH	: 1.4 - 2.4
Melting point	: No data available
Freezing point	: < 0 °C
Boiling point	: > 100 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Specific Gravity @ 77° F	: 1.128 - 1.148
Solubility	: Soluble in water
Partition Coefficient n-Octanol-Water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

### 9.2. Other information

VOC content	: 0 g/l
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available.

### 10.2. Chemical stability

May cause fire or explosion; strong oxidizer.

### 10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and bases. Contact with halogenated compounds may liberate toxic gas.

### 10.4. Conditions to avoid

Heat. Open flame. Sparks. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong bases. Organic materials. Combustible materials. Cyanide salts. Metals.

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### 10.6. Hazardous decomposition products

Oxygen. Carbon dioxide. Carbon monoxide. Sulfur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

WaterSolv BC	
ATE US (oral)	1648.087 mg/kg body weight
ATE US (dust, mist)	4.944 mg/l/4h

Proprietary (79-14-1)	
LD50 oral rat	1950 mg/kg (Rat; Other; Literature study; 2040 mg/kg bodyweight; Rat; Experimental value)
LC50 Inhalation - Rat	> 5.2 mg/l/4h (Rat; Experimental value; 3.6 mg/l/4h; Rat; Experimental value)

hydrogen peroxide (7722-84-1)	
LD50 oral rat	376 mg/kg
ATE US (oral)	376 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 1.4 - 2.4

Serious eye damage/irritation : Causes serious eye damage.

pH: 1.4 - 2.4

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

hydrogen peroxide (7722-84-1)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Harmful if inhaled.

Symptoms/effects after skin contact : Causes burns/corrosion of the skin.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Harmful if swallowed. Burns to the gastric/intestinal mucosa.

## SECTION 12: Ecological information

### 12.1. Toxicity

Proprietary (79-14-1)	
LC50 fish 1	164 mg/l (96 h; Pimephales promelas; Nominal concentration)
EC50 Daphnia 1	141 mg/l (48 h; Daphnia magna; Static system)
LC50 fish 2	> 5000 mg/l (96 h; Brachydanio rerio)
Threshold limit algae 1	44 mg/l (72 h; Selenastrum capricornutum; Nominal concentration)
Threshold limit algae 2	20 mg/l (72 h; Selenastrum capricornutum; Nominal concentration)

### 12.2. Persistence and degradability

Proprietary (79-14-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.18 g O <sub>2</sub> /g substance
ThOD	0.63 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.28 % ThOD

### 12.3. Bioaccumulative potential

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<b>Proprietary (79-14-1)</b>	
Log Pow	-1.11 (Experimental value)
Bioaccumulative potential	Bioaccumulation: not applicable.

### 12.4. Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with Local, State, and Federal regulations.  
 Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1. UN Number

UN-No.(DOT) : UN3098  
 Other information : No supplementary information available.

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : UN3098, Oxidizing Liquid, Corrosive, N.O.S. (Hydrogen Peroxide, Glycolic Acid), 5.1 (8), PGII  
 Hazard labels (DOT) : 5.1 - Oxidizer  
 8 - Corrosive



## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<b>Proprietary (79-14-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
<b>hydrogen peroxide (7722-84-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
SARA Section 311/312 Hazard Classes	Reactive hazard Immediate (acute) health hazard Delayed (chronic) health hazard

### 15.2. International regulations

#### CANADA

#### EU-Regulations

No additional information available.

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### 15.2.2. National regulations

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

### SECTION 16: Other information

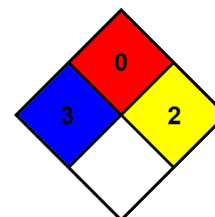
Abbreviations Legend:

H271	May cause fire or explosion; strong oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 2 - Materials that readily undergo violent chemical change at elevated temperatures and pressures.



Hazard Rating

Health : 3

Flammability : 0

Physical : 2

Personal protection : D

D - Face shield and eye protection, Gloves, Synthetic apron

Disclaimer (Test)

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (480) 650-6955

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