

# Safety Data Sheet

Issue Date: 22-Dec-2004

Revision Date: 29-Jan-2014

Version 1

## 1. IDENTIFICATION

**Product Identifier**  
Product Name CWB Bullseye

**Other means of identification**  
SDS # CWB-005

UN/ID No UN2922

**Recommended use of the chemical and restrictions on use**  
Recommended Use Acid cleaner.

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

#### Supplier Address

CWB Solutions  
1999 Bucktail Lane  
Sugar Grove, IL 60554

**Emergency Telephone Number** 630-501-4797

**Company Phone Number**

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Liquid of various colors

**Physical State** Liquid

**Odor** Slight odor

### Classification

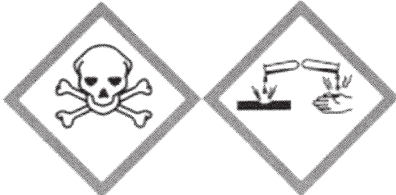
Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 2
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

### Signal Word

Danger

### Hazard Statements

Toxic if swallowed  
Fatal in contact with skin  
Toxic if inhaled  
Causes severe skin burns and eye damage



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**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not get in eyes, on skin, or on clothing  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

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  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Immediately call a poison center or doctor/physician  
 Wash contaminated clothing before reuse  
 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  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Rinse mouth  
 Do not induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Phosphoric acid	7664-38-2	4.9
Hydrofluoric acid	7664-39-3	4.7

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Flush with cool water for 30 minutes. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek immediate medical attention/advice. Irrigate with ocular irrigator with one percent of calcium gluconate.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately. Apply 2.5% Calcium Gluconate ointment to contacted area.
<b>Inhalation</b>	Remove to fresh air. Call a physician immediately.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Dilute by giving a large amount of water. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	Corrosive to all body tissues with which it comes in contact. May cause hypocalcemia. Can also cause bone and joint changes in humans (Fluorosis).
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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**                      Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray (fog). Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Contact with metals may evolve flammable hydrogen gas.

**Hazardous Combustion Products** Fluorides.

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**                      Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment**                Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up**                    Absorb with magnesium sulfate, follow up with soda ash, then clean up with a plastic shovel and place into a plastic salvage drum.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling**                Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Use only in well-ventilated areas. Protect from contact with aluminum or glass.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**                      Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Do not contaminate food or feed stuffs.

**Packaging Materials**                    Use polyethylene or plastic containers.

**Incompatible Materials**                Strong oxidizing agents. Bases. Chlorides. Glycols. Glass. Concrete. Aluminum. Metals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>
Hydrofluoric acid 7664-39-3	TWA: 0.5 ppm F TWA: 2.5 mg/m <sup>3</sup> F S* Ceiling: 2 ppm F	TWA: 3 ppm F TWA: 2.5 mg/m <sup>3</sup> F TWA: 2.5 mg/m <sup>3</sup> dust (vacated) TWA: 3 ppm F (vacated) TWA: 2.5 mg/m <sup>3</sup> (vacated) STEL: 6 ppm F	IDLH: 30 ppm Ceiling: 6 ppm 15 min Ceiling: 5 mg/m <sup>3</sup> 15 min TWA: 3 ppm TWA: 2.5 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

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

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight odor
Appearance	Liquid of various colors	Odor Threshold	Not determined
Color	Various		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	1.5-2.0	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 100 °C / >212 °F	
Flash Point	Non-flammable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not established	
Lower Flammability Limit	Not established	
Vapor Pressure	0.14 torr	
Vapor Density	Not determined	
Specific Gravity	>1.0	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

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## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Excessive heat. Aluminum reacts with aqueous solutions to release flammable hydrogen gas.

**Incompatible Materials**

Strong oxidizing agents. Bases. Chlorides. Glycols. Glass. Concrete. Aluminum. Metals.

**Hazardous Decomposition Products**

Hydrogen gas. Silicon tetrafluoride. Fluorides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information****Eye Contact**

Causes severe eye damage.

**Skin Contact**

Causes severe skin burns. Fatal in contact with skin.

**Inhalation**

Toxic if inhaled.

**Ingestion**

Toxic if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric acid 7664-38-2	= 1530 mg/kg ( Rat )	= 2730 mg/kg ( Rabbit )	> 850 mg/m <sup>3</sup> ( Rat ) 1 h
Hydrofluoric acid 7664-39-3	-	-	= 850 mg/m <sup>3</sup> ( Rat ) 1 h = 1276 ppm ( Rat ) 1 h

**Information on physical, chemical and toxicological effects****Symptoms**

Please see section 4 of this SDS for symptoms.

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

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phosphoric acid 7664-38-2		3 - 3.5: 96 h <i>Gambusia affinis</i> mg/L LC50		4.6: 12 h <i>Daphnia magna</i> mg/L EC50
Hydrofluoric acid 7664-39-3		660: 48 h <i>Leuciscus idus</i> mg/L LC50		270: 48 h <i>Daphnia</i> species mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Hydrofluoric acid 7664-39-3	-1.4

**Other Adverse Effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Hydrofluoric acid 7664-39-3	U134			U134

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Phosphoric acid 7664-38-2	Corrosive

## 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN/ID No	UN2922
Proper Shipping Name	Corrosive liquids, toxic, n.o.s. (hydrofluoric acid, phosphoric acid)
Hazard Class	8
Subsidiary Hazard Class	6.1
Packing Group	II

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**IATA**

UN/ID No UN2922  
 Proper Shipping Name Corrosive liquid, toxic, n.o.s. (hydrofluoric acid, phosphoric acid)  
 Hazard Class 8  
 Subsidiary Hazard Class 6.1  
 Packing Group II

**IMDG**

UN/ID No UN2922  
 Proper Shipping Name Corrosive liquid, toxic, n.o.s. (hydrofluoric acid, phosphoric acid)  
 Hazard Class 8  
 Subsidiary Hazard Class 6.1  
 Packing Group II  
 Marine Pollutant This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric acid 7664-38-2	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Hydrofluoric acid 7664-39-3	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard Yes

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Hydrofluoric acid - 7664-39-3	7664-39-3	4.7	1.0

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric acid 7664-38-2 (<5.0)	5000 lb			X
Hydrofluoric acid 7664-39-3 (<5.0)	100 lb			X

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid 7664-38-2	X	X	X
Hydrofluoric acid 7664-39-3	X	X	X

**16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	3	0	1	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	3	0	1	Not determined

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Revision Note: New format

**Disclaimer**

The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet