



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name BW Stain Away
CAS # Mixture
Product Use Stain remover
Manufacturer CFR Division of Tacony Corporation
3101 Wichita Court
Fort Worth, TX 76140-1710 US
Phone: 1-800-880-2913 ext.150

LEGEND HMIS	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B

2. Hazards Identification

Emergency Overview WARNING
EYE AND SKIN IRRITANT.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause irritation.

Skin May cause irritation.

Inhalation May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
1-Hydroxyethylidene-1, 1-diphosphonic acid	2809-21-4	1 - 5
Triethanolamine	102-71-6	3 - 7
Methyloxirane, polymer with oxirane, monoethyl ether	37311-02-7	3 - 7
Methyloxirane, polymer with oxirane, monohexyl ether	52232-09-4	3 - 7
Methyloxirane, polymer with oxirane monodecyl ether	37251-67-5	3 - 7
D-Gluconic acid	526-95-4	3 - 7
Citric Acid	77-92-9	3 - 7

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
Notes to physician	Symptoms may be delayed.
General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting Measures

Flammable properties	Not flammable by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Dry chemical. Water spray. Foam. Carbon dioxide.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure limits
1-Hydroxyethylidene-1, 1-diphosphonic acid	ACGIH-TLV Not established
Citric Acid	ACGIH-TLV TWA: 10 mg/m ³
D-Gluconic acid	ACGIH-TLV Not established
Methyloxirane, polymer with oxirane monodecyl ether	ACGIH-TLV Not established
Methyloxirane, polymer with oxirane, monohexyl ether	ACGIH-TLV Not established
Methyloxirane, polymer with oxirane, monoethyl ether	ACGIH-TLV Not established
Triethanolamine	ACGIH-TLV TWA: 5 mg/m ³

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields.

Hand protection

Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection

As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	Clear.
Colour	Light yellow
Form	Liquid
Odour	Fresh air
Odour threshold	Not available
Physical state	Liquid
pH	3 - 3.4 (100%)
Freezing point	Not available
Boiling point	> 100 °C (> 212.00 °F)
Flash point	None
Evaporation Rate	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability Limits in Air, Upper, % by Volume	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	1.08 - 1.1
Octanol/water coefficient	Not available
Solubility (H ₂ O)	Complete
Auto-ignition temperature	Not applicable

VOC (Weight %)	Not available
Viscosity	Water thin
Percent volatile	Not available

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Caustics. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
1-Hydroxyethylidene-1, 1-diphosphonic acid	Not available
Citric Acid	Not available
D-Gluconic acid	Not available
Methyloxirane, polymer with oxirane monodecyl ether	Not available
Methyloxirane, polymer with oxirane, monohexyl ether	Not available
Methyloxirane, polymer with oxirane, monoethyl ether	Not available
Triethanolamine	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
1-Hydroxyethylidene-1, 1-diphosphonic acid	1800 mg/kg rat
Citric Acid	5040 mg/kg mouse; 3000 mg/kg rat
D-Gluconic acid	2000 mg/kg rat
Methyloxirane, polymer with oxirane monodecyl ether	Not available
Methyloxirane, polymer with oxirane, monohexyl ether	3000 mg/kg rat
Methyloxirane, polymer with oxirane, monoethyl ether	Not available
Triethanolamine	4190 mg/kg rat; 5300 mg/kg guinea pig; 5200 mg/kg mouse

Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitisation	Non-hazardous by WHMIS criteria.
Chronic effects	Non-hazardous by WHMIS criteria.
Carcinogenicity	Non-hazardous by WHMIS criteria.

IARC - Group 3 (Not Classifiable)

Triethanolamine 102-71-6 Monograph 77 [2000]

Mutagenicity	Non-hazardous by WHMIS criteria.
Reproductive effects	Non-hazardous by WHMIS criteria.
Teratogenicity	Non-hazardous by WHMIS criteria.

12. Ecological Information

Ecotoxicity effects Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Algae Data

Triethanolamine	102-71-6	72 Hr EC50 Scenedesmus subspicatus: 216 mg/L; 96 Hr EC50 Scenedesmus subspicatus: 169 mg/L
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Ecotoxicity - Freshwater Fish Species Data

1-Hydroxyethylidene-1, 1-diphosphonic acid	2809-21-4	96 Hr LC50 Lepomis macrochirus: 563 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 360 mg/L [static]
Citric Acid	77-92-9	96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static]; 96 Hr LC50 Leuciscus idus: 440 mg/L [static]
Triethanolamine	102-71-6	96 Hr LC50 Pimephales promelas: 11800 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 450-1000 mg/L [static]

Ecotoxicity - Microtox Data

Citric Acid	77-92-9	15 min EC50 Photobacterium phosphoreum: 14 mg/L
Triethanolamine	102-71-6	30 min EC50 Pseudomonas putida: >10000 mg/L

Ecotoxicity - Water Flea Data

1-Hydroxyethylidene-1, 1-diphosphonic acid	2809-21-4	48 Hr EC50 water flea: 527 mg/L
Citric Acid	77-92-9	72 Hr EC50 Daphnia magna: 120 mg/L
Triethanolamine	102-71-6	24 Hr EC50 Daphnia magna: 1386 mg/L

Environmental effects	Not available
Aquatic toxicity	Not available
Persistence and degradability	Not available
Bioaccumulation/accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

Transportation of Dangerous Goods (TDG)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada - WHMIS - Ingredient Disclosure List

Citric Acid	77-92-9	1 %
Triethanolamine	102-71-6	1 %

WHMIS classification Class D - Division 2B

WHMIS status Controlled

WHMIS labeling



Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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