


ELIMINATE PLUS

1. IDENTIFICATION	
Product name	: ELIMINATE PLUS
Product code	: 29-92122
Supplier	: Beachcomber Plus 13245 Comber Way Surrey, BC, V3W 5V8 Canada
Other means of identification	: Not available.
Manufacturer	: Manufactured for: JRS Distributors Inc. 13245 Comber Way Surrey, BC, V3W 5V8 Canada
Identified uses	: Consumer products: Stain and Scale Inhibitor. This MSDS is provided as information only. This product is not WHMIS regulated. This product is regulated under CCCR regulation. Packaged as a consumer good.
Uses advised against	: Only use this product as directed. Read label before using.
Date of issue (YYYY-MM-DD)	: 2017-10-03
In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)	

2. HAZARDS IDENTIFICATION	
Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.	
Product Classification	: SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
Signal word	: Warning
Hazard pictograms	: 
Hazard statements	: May cause severe eye irritation. May cause skin irritation.
<u>Precautionary statements</u>	
General	: Read label before use. Keep out of reach of children.
Prevention	: Wash hands thoroughly after handling. Specific protective equipment is suggested for this product. See section 8 for details.
Response	: IF ON SKIN: Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: No specific measure needed. See section 7 for more information on handling and storage.
Disposal	: No specific measure needed. See section 13 for waste disposal information.
Supplemental label elements	: No additional information.
Other hazards which do not result in classification	: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Ingredient name	CAS number	% (w/w)
2-phosphonobutane-1,2,4-tricarboxylic acid	37971-36-1	5 - 10
	26099-09-2	1 - 5

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of required first aid measures

Eye contact	In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. If irritation persists, get medical attention.
Skin contact	Wash contaminated skin with soap and water. In case of irritation, rinse with water. Get medical attention if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Inhalation	Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Maintain an open airway.

Most important symptoms/effects, acute and delayed

Eye contact	Adverse symptoms may include the following: pain or irritation watering redness
Skin contact	Adverse symptoms may include the following: irritation redness
Ingestion	No specific symptoms under normal use conditions.
Inhalation	No specific symptoms under normal use conditions.

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides
Special fire-fighting procedures	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required.
Personal protection	Put on appropriate personal protective equipment (see Section 8).
Cleaning method	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.
Storage and Incompatibility	Store in accordance with local regulations. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
2-phosphonobutane-1,2,4-tricarboxylic acid	AIHA WEEL (United States, 10/2011). TWA: 10 mg/m ³ 8 hours. Form: Aerosol

Appropriate engineering controls Good general ventilation should be sufficient to control worker exposure to airborne contaminants that could arise from the use if this product.

Individual protection measures

Eye/face protection It is minimally suggested to wear safety glasses while using or handling this product.

Hands and Body protection It is suggested to wear chemical-resistant gloves while using or handling this product.
It is suggested to wear safety apron while using or handling this product.

Respiratory protection Recommended: No special respiratory protection equipment suggested under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid. [Transparent liquid]	pH	1.5	Flash point	[Product does not sustain combustion.]
Color	Yellow. [Light]	Relative density	1.048	Melting point	Not available.
Odor	Characteristic.	Viscosity	Not available.	Boiling point	Not available.
Odor threshold	Not available.	Vapor pressure	Not available.	Fire point	: Not available.
Solubility in water	: Not available.	Vapor density	: Not available.	Evaporation rate	: Not available.
Decomposition temperature	: Not available.	Auto-ignition temperature	: Not available.		
Partition coefficient: n-octanol/ water	: Not available.	Flammability (solid, gas)	: Not available.		
Lower and upper explosive (flammable) limits	: Not available.				

10. STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Incompatible materials	Reactive or incompatible with alkali.
Conditions to avoid	No specific data.
Possibility of hazardous reactions	May cause an exothermic reaction in presence of alkali.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Route of exposure	Not available.	
Eye contact	<u>Potential acute health effects</u> cause eye irritation	<u>Symptoms</u> Adverse symptoms may include the following: pain or irritation watering redness
Skin contact	May cause skin irritation.	Adverse symptoms may include the following: irritation redness
Ingestion	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
Inhalation	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
2-phosphonobutane-1,2,4-tricarboxylic acid	LD50 Dermal	Rabbit	2001 mg/kg	-
	LD50 Oral	Rat	2001 mg/kg	-

Information on toxicological effects

Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Sensitization	Not available.
Carcinogenicity	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity data

Product/ingredient name	Result	Species	Exposure
2-phosphonobutane-1,2,4-tricarboxylic acid	Acute EC50 860 mg/l	Algae	96 hours
	Acute EC50 265 mg/l	Daphnia	24 hours
	Acute LC50 3440 mg/l	Fish	48 hours

Persistence and degradability : Unknown **Bioaccumulative potential** : Unknown **Mobility in soil** : Unknown **Other adverse effects** : Unknown

13. DISPOSAL CONSIDERATIONS

Disposal methods Dispose content and container in accordance with local, regional and national regulation in force.

14. TRANSPORT INFORMATION

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	TDG Placard
TDG Classification	1760	Corrosive liquid, n.o.s. (2-phosphonobutane-1,2,4-tricarboxylic acid, mixture)	8	III	

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).

Special provisions

Limited quantity index 5L

Additional information

See shipping documents for specific information on DOT, IMDG or IATA

15. REGULATORY INFORMATION

Canadian lists

Canadian NPRI None of the components are listed.

CEPA Toxic substances None of the components are listed.

Canada inventory Not determined.

International lists

United States Not determined.

16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.)

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

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