

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	Toss Block - All Scents
CAS #	Mixture
Product Use	Urinal deodorant
Manufacturer	Advantage Maintenance Products Ltd. 105 Scott Avenue Paris, ON N3L 3E7 CA In case of Emergency: Phone: (519) 442-7881 Fax: (519) 442-7382 Toll Free: (800) 265-9957

2. Hazards Identification

Emergency Overview	WARNING EYE AND SKIN IRRITANT. Contains a potential reproductive toxin.
Potential short term health effects	
Routes of exposure	Eye, Skin contact.
Eyes	Direct contact with eye may cause irritation.
Skin	Direct contact with skin may cause irritation.
Inhalation	Not a likely route of entry. Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
Target organs	Eyes. Respiratory system. 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.
Potential environmental effects	Components of this product have been identified as having potential environmental concerns.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Green apple fragrance	Mixture	1 - 5
Sodium dodecylbenzenesulfonate	25155-30-0	3 - 7
Sodium tetraborate decahydrate	1303-96-4	30 - 60
Fatty acids, coco, sodium salts	61789-31-9	5 - 10
Amides, coco (hydroxyethyl)	68140-00-1	5 - 10

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	Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
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. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties	Not flammable by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
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 sulphur.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Avoid contact with skin and eyes.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	None necessary.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limit values	
Ingredient(s)	Exposure limit values
Amides, coco (hydroxyethyl)	ACGIH-TLV Not established
Fatty acids, coco, sodium salts	ACGIH-TLV Not established
Green apple fragrance	ACGIH-TLV Not established
Sodium dodecylbenzenesulfonate	ACGIH-TLV Not established
Sodium tetraborate decahydrate	ACGIH-TLV TWA: 2 mg/m ³ STEL: 6 mg/m ³
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye/Face protection	Not normally required when used as directed.

Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Not normally required. 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. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Solid
Colour	Blue.
Form	Blocks
Odour	Apple.
Odour threshold	Not available
Physical state	Solid
pH	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation Rate	Not available
Flash point	Not available
Auto-ignition temperature	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	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Complete

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Caustics. Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of sulphur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Amides, coco (hydroxyethyl)	Not available
Fatty acids, coco, sodium salts	Not available
Green apple fragrance	Not available
Sodium dodecylbenzenesulfonate	Not available
Sodium tetraborate decahydrate	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Amides, coco (hydroxyethyl)	2700 mg/kg rat
Fatty acids, coco, sodium salts	Not available
Green apple fragrance	Not available
Sodium dodecylbenzenesulfonate	438 mg/kg rat
Sodium tetraborate decahydrate	2660 mg/kg rat; 5330 mg/kg guinea pig

Effects of acute exposure

Eye	Direct contact with eye may cause irritation.
Skin	Direct contact with skin may cause irritation.
Inhalation	Not a likely route of entry. Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
Sensitisation	Non-hazardous by WHMIS criteria.
Chronic effects	Non-hazardous by WHMIS criteria.
Carcinogenicity	See below.
ACGIH - Threshold Limit Values - Carcinogens	
Sodium tetraborate decahydrate	1303-96-4 A4 - Not Classifiable as a Human Carcinogen (listed under Borate compounds, inorganic)
Mutagenicity	Non-hazardous by WHMIS criteria.
Reproductive effects	Borates may cause harmful reproductive effects based on animal data.
Teratogenicity	Non-hazardous by WHMIS criteria.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity	See below	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
Amides, coco (hydroxyethyl)	68140-00-1	96 Hr LC50 Brachydanio rerio: 28.5 mg/L [semi-static]; 96 Hr LC50 Brachydanio rerio: 31 mg/L
Sodium dodecylbenzenesulfonate	25155-30-0	96 Hr LC50 Oncorhynchus mykiss: 10.8 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Amides, coco (hydroxyethyl)	68140-00-1	24 Hr EC50 Daphnia magna: 10 mg/L
Persistence and degradability	Not available	
Bioaccumulation/accumulation	Not available	
Mobility in environmental media	Not available	
Environmental effects	Not available	
Aquatic toxicity	Not available	
Partition coefficient	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	

13. Disposal Considerations

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 - Canada)

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

Sodium dodecylbenzenesulfonate	25155-30-0	1 %
Sodium tetraborate decahydrate	1303-96-4	1 %

WHMIS classification Class D - Division 2A, 2B

WHMIS status Controlled

WHMIS labeling



Inventory Status

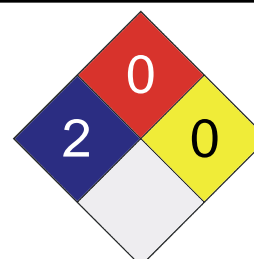
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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

16. Other Information

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

Health	* 2
Flammability	0
Physical Hazard	0
Personal Protection	B



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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Other Information For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.