

Safety Data Sheet (SDS)

Date: Nov. 27, 18


Product: BRILLIANT ENVIRO PLUS

Code: 0120 to 0129

1. Identification

PRODUCT NAME:	BRILLIANT ENVIRO PLUS	PRODUCT CODE:	0120 to 0129
USE:	Toilet Bowl, Urinal, Tile Cleaner	RESTRICTIONS:	All other uses than those indicated on the product label and technical data sheet.
MANUFACTURER:	Allspar Solutions Inc. 150 Connie Crescent, Unit 12 Concord, ON L4K 1L9 (905) 760-1964	SUPPLIER:	BAY CITY SANITATION 189 Brock Street Barrie, ON. L4N 2M3 Phone: (705) 728-4332 Fax: (705) 728-4335
EMERGENCY TELEPHONE NUMBER: CANUTEC - (613) 996-6666			

2. Hazard Identification

HAZARD CLASSIFICATION:	GHS05
LABEL ELEMENTS:	
SYMBOL:	
SIGNAL WORD:	Danger
HAZARD STATEMENT:	H290 MAY BE CORROSIVE TO METALS. H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
PRECAUTIONARY STATEMENT:	P260 Do not breathe dust, fume, gas, mist, vapours or spray. P280 Wear protective gloves and eye or face protection. P264 Wash thoroughly after handling. P303+P361+P353 IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or a doctor. P405 Store locked up. P406 Store in corrosive resistant container or a container with a corrosion resistant inner liner. P501 Dispose of contents and container in accordance with local, regional and national regulations.

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OTHER HAZARDS:	None.
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3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME	CAS REGISTRY	CONCENTRATION
Organic Acid	Organic Acid		7 - 15 %

For production reasons a range is given. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section NOTE: Confidential business information rules can apply.

4. FIRST-AID MEASURES

FIRST-AID MEASURES BY ROUTE OF EXPOSURE:

INHALATION:	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SKIN CONTACT:	Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
EYE CONTACT:	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
INGESTION:	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Safety Data Sheet (SDS)

Date: Nov. 27, 18

Product: BRILLIANT ENVIRO PLUS

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	Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE OR DELAYED):	Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes.
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NECESSARY:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	CO2, sand, extinguishing powder.
UNSUITABLE EXTINGUISHING MEDIA:	NAV
SPECIFIC HAZARDS ARISING FROM THE HAZARDOUS PRODUCT:	In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen dioxide (NOx).
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	No special measures required
ADDITIONAL INFORMATION:	This product is not flammable

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear recommended protective equipment(s). Keep unprotected persons away.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	<p>SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p> <p>LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.</p>

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not
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Safety Data Sheet (SDS)

Date: Nov. 27, 18

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Code: 0120 to 0129

	<p>ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBLE MATERIAL:	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. 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.</p>

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS, INCLUDING OCCUPATIONAL EXPOSURE GUIDELINES OR BIOLOGICAL EXPOSURE LIMITS AND THE SOURCE OF THOSE VALUES:

APPROPRIATE ENGINEERING CONTROLS:	<p>Ensure appropriate aeration and ventilation.</p>
INDIVIDUAL PROTECTION MEASURES (E.G. PERSONAL PROTECTIVE EQUIPMENT):	<p>Avoid contact with the eyes and skin. Do not breathe dust, fume, gas, mist, vapours or spray. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed.</p> <p>Breathing equipment: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.</p> <p>Protection of hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): butyl rubber</p> <p>Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended:</p>

Safety Data Sheet (SDS)

Date: Nov. 27, 18

Product: BRILLIANT ENVIRO PLUS

Code: 0120 to 0129

	splash goggles Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: safety apron
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	BLue Liquid	PH	5.5
ODOUR	Fresh Scent	ODOUR THRESHOLD	NAV
MELTING POINT	NAV	FREEZING POINT	~ 0°C
INITIAL BOILING POINT	~ 100°C	FLASH POINT	NAP
EVAPORATION RATE	NAV	FLAMMABILITY	NAP
LOWER FLAMMABLE LIMIT	NAP	UPPER FLAMMABLE LIMIT	NAP
VAPOUR PRESSURE	NAV	VAPOUR DENSITY	NAV
RELATIVE DENSITY	1.07	SOLUBILITY	Complete in water
PARTITION COEFFICIENT	NAV	AUTO-IGNITION TEMPERATURE	NAP
DECOMPOSITION TEMPERATURE	NAV	VISCOSITY	1,500 cps

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.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	No specific data.
INCOMPATIBLE MATERIALS:	Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis, oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY:	Oral, Dermal, Inhalation.
Component	Value
Organic Acid	LD50 (dermal) 5879 mg/kg
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:	
IF ON THE SKIN:	CORROSIVE: Adverse symptoms may include the following: pain or irritation redness blistering may occur

Safety Data Sheet (SDS)

Date: Nov. 27, 18

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Code: 0120 to 0129

IF ON THE EYE:	CORROSIVE: Adverse symptoms may include the following: pain watering redness
AFTER INGESTION:	CORROSIVE: Adverse symptoms may include the following: stomach pains
SENSITIZATION:	No sensitizing effects known

DELAYED AND IMMEDIATE EFFECTS, AND CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE:

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

ADDITIONAL TOXICOLOGICAL INFORMATION: The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive
Irritant

CARCINOGENIC CATEGORIES: None of the ingredients are listed
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
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.

12. ECOLOGICAL INFORMATION

No data available.

ECOTOXICITY	No further information available
PERSISTENCE AND DEGRADABILITY	Not available.
BIOACCUMULATIVE POTENTIAL	Not available.
MOBILITY IN SOIL	No further relevant information available.
OTHER ADVERSE EFFECTS	No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Uncleaned packagings: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water.

14. TRANSPORT INFORMATION

UN NUMBER	NAP
UN PROPER SHIPPING NAME	NAP

Safety Data Sheet (SDS)

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Code: 0120 to 0129

TRANSPORT HAZARD CLASS(ES)	NAP
PACKING GROUP	NAP
ENVIRONMENTAL HAZARDS	No.
TRANSPORT IN BULK, IF APPLICABLE	NAP
SPECIAL PRECAUTIONS	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT

United States inventory (TSCA 8b)	All components are listed or exempted.
WHMIS (Canada)	Class E: Corrosive material
Canadian NPRI	nav
Canadian CEPA Toxic Substances	None of the components are listed.
Canadian Inventory	At least one component is not listed in DSL but all such components are listed in NDSL
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.	
International Lists	Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted. Japan inventory: Not determined. Korea inventory: All components are listed or exempted. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted. Philippines inventory (PICCS): All components are listed or exempted. Taiwan inventory (CSNN): All components are listed or exempted.

16. OTHER INFORMATION

Date of latest revision:	Nov. 27, 18
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Allspair Solutions Inc. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.	
END OF SDS.	