Safety Data Sheet (SDS)

Date: Nov. 27, 18

Product: GLITTER RTU
Code: 0850 to 0859

1. Identification

PRODUCT NAME:	Glitter RTU	**PRODUCT CODE:**	0850 to 0859
USE:	Window 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:	GHS07
LABEL ELEMENTS:	
SYMBOL:	
SIGNAL WORD:	Warning
HAZARD STATEMENT:	H319 CAUSES EYE IRRITATION H315: Causes skin irritation
PRECAUTIONARY STATEMENT:	P264 Wash thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention. P501 Dispose of contents and container in accordance with local, regional and national regulations. 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.
OTHER HAZARDS:	None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME	CAS REGISTRY	CONCENTRATION
Isopropyl alcohol	IPA	67-63-0	1 - 5 %

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:	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. Get medical attention. If necessary, call a poison center or physician. 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:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
EYE CONTACT:	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. Get medical attention.
INGESTION:	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. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. 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.
MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE OR DELAYED):	None known.
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NECESSARY:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use dry chemical, CO_2, water spray (fog) or foam.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water jet.
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:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
ADDITIONAL INFORMATION:	NAV

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	SMALL SPILL: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. LARGE SPILL: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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). 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.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBLE MATERIAL:	Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS, INCLUDING OCCUPATIONAL EXPOSURE GUIDELINES OR BIOLOGICAL EXPOSURE LIMITS AND THE SOURCE OF THOSE VALUES:	
APPROPRIATE ENGINEERING CONTROLS:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
INDIVIDUAL PROTECTION MEASURES (E.G. PERSONAL PROTECTIVE EQUIPMENT):	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. **Breathing equipment:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. **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. **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. **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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Blue Liquid	**PH**	8.0
ODOUR	Ammonia Odour	**ODOUR THRESHOLD**	NAV
MELTING POINT	NAV	**FREEZING POINT**	-5°C
INITIAL BOILING POINT	~ 100°C	**FLASH POINT**	NAP
EVAPORATION RATE	NAV	**FLAMMABILITY**	NAV
LOWER FLAMMABLE LIMIT	NAV	**UPPER FLAMMABLE LIMIT**	NAV
VAPOUR PRESSURE	NAV	**VAPOUR DENSITY**	NAV
RELATIVE DENSITY	1.04	**SOLUBILITY**	Complete in water
PARTITION COEFFICIENT	NAV	**AUTO-IGNITION TEMPERATURE**	NAV
DECOMPOSITION TEMPERATURE	NAV	**VISCOSITY**	100 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:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
INCOMPATIBLE MATERIALS:	oxidizing materials

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.

Isopropyl Alcohol	LD50 (Oral)	5,000 mg/kg (rat)
	LD50 (Dermal)	12,800 mg/kg (rabbit)
	LC50 (Inhalation, 1 hr)	45,248 ppm

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

IF ON THE SKIN:	IRRITANT: Adverse symptoms may include the following: pain or irritation redness blistering may occur
IF ON THE EYE:	IRRITANT: Adverse symptoms may include the following: pain watering redness
AFTER INGESTION:	IRRITANT: 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: 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

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Isopropyl alcohol	Acute LC50 1400000 to 1950000 µg/l Marine water	Crustaceans - Crangon crangon 48 hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha 96 hours

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. 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. 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
TRANSPORT HAZARD CLASS(ES)	NAP
PACKING GROUP	NAP
ENVIRONMENTAL HAZARDS	NAP
TRANSPORT IN BULK, IF APPLICABLE	NAP
SPECIAL PRECAUTIONS	NAP

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 D-2B: Material causing other toxic effects (Toxic).

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. Allspar Solutions Inc. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.

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