

Roto-Rooter Corporation
300 Ashworth Road
Wes Des Moines, IA 50265

Telephone number: 515-223-1343

Emergency Contact: 515-223-1343

CHEMTREC: 1-800-424-9300

Material Safety Data Sheet

Date: 11/01/2004

SECTION I—PRODUCT IDENTIFICATION

NAME: Roto-Rooter Sugar Residue Digestant	Product Code: 7002089-350
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DOT CLASS: Non-regulated
UN NUMBER: NA
PROPER SHIPPING NAME: NA

HMIS RATING

HEALTH	1	FIRE	0	REACTIVITY	0
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SECTION II - INGREDIENTS

ALL COMPONENTS APPEAR ON THE TSCA INVENTORY. COMPONENTS NOT LISTED IS EITHER NON HAZARDOUS OR IN CONCENTRATIONS OF LESS THAN 1%.

THIS PRODUCT IS NOT APPROVED FOR SALE IN CANADA.

Ingredient Name	CAS Number	OSHA PEL	ACGIH TLV/TWA
Trisodium Citrate	6135-04-3	NA	NA
Cellulase	9012-54-8	NA	NA
Viabale bacterial cultures	NA	NA	NA

SECTION III – PHYSICAL CHARACTERISTICS

Boiling Point	100C	Appearance and Odor	Opaque liquid, slight odor.
Specific Gravity	Approximately 1.0	Melting Point	NA
pH	4.6 – 5.4	Vapor Density	Equivalent to water
Vapor Pressure	Equivalent to water	Solubility	Complete

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SECTION IV – FIRE/EXPLOSION

Flash Point:	NA
Flash Point Method Used:	NA
LEL	NA
UEL:	NA

Extinguishing Media: Water spray, carbon dioxide, and dry chemical powder.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None known.

SECTION V – REACTIVITY DATA

Stable: X **Unstable:**

Incompatibility: Not known.

Hazardous Decomposition or By Products: Not Known.

Hazardous Polymerization: Will not occur.

SECTION VI – HEALTH HAZARD DATA

Acute Health Affects

Routes of Entry:	Inhalation: No	Absorption: Yes	Ingestion: No	Eyes: Yes
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Eyes: This product may cause eye irritation.

Skin Contact: Could cause mild skin irritation after prolonged contact.

Inhalation: Product contains enzymes; inhaling mist from this product may induce sensitization in susceptible individuals

Ingestion: Ingestion may result in abdominal pain, nausea and vomiting.

Conditions to Avoid: Strong acids or alkali compounds.

Signs and Symptoms of Over Exposure: None Known

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Aggravated Medical Conditions: None known, however persons with respiratory problems should avoid breathing any mist from this product.

Emergency First Aid Procedures

Eye Contact: Rinse eyes with water for fifteen minutes, if irritation persists, see a physician.

Inhalation: Move person to fresh air and avoid breathing any mist from this product. If breathing problems develop, seek the care of a physician.

Skin Contact: Wash the product off the skin with soap and water; if irritation develops seek the care of a physician.

Ingestion: Drink water to dilute.

SECTION VII – SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled or leaked:

Waste Disposal Method: Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all federal, state and local laws.

Precautions To Be Taken In Handling and Storage: Store in a location away from children and food items. Store in an area out of the direct sunlight, keep container closed when not in use, avoid storing in a damp environment.

Always wash hands with soap and water before handling food or smoking.
Use good chemical hygiene practices when working with any chemical.

Other Precautions: None

SECTION VIII – CONTROL MEASURES (PPE)

Respiratory Protection: None required for normal use.

Protective Gloves: Recommended. Disposable nitrile exam gloves are suitable for preventing prolonged contact with the skin.

Eye Protection: Safety glasses with side shields or splash goggles are recommended if used in a manner that would create splashing.

Other Protective Clothing: None required, however, avoid prolonged contact with the skin from soiled clothing.

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Ventilation: Local exhaust should be sufficient. If used in a manner that creates a mist, mechanical ventilation may be necessary.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine it's environmental regulatory compliance obligations under any applicable federal, state and local laws.