



# Safety Data Sheet

Issue Date 30-Apr-2021

Revision Date 14-Feb-2022

Version 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name** RTX3 Car Wash Detergent

### Other means of identification

**SDS#** BTRTX3

### Recommended use of the chemical and restrictions on use

**Recommended use** Car Wash Detergent

**Uses Advised Against** For industrial or institutional use only.

### Details of the supplier of the safety data sheet

#### **Company Name**

Bradley Systems  
a division of TRION Chemicals  
320 37<sup>th</sup> Avenue  
St. Charles, IL 60174  
www.bradley-systems.com

### Emergency telephone number

**Company Phone Number** 1-855-513-1314 (to reorder)  
**Emergency Telephone** INFOTRAC 1-800-535-5053  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Classification**-Not Classified

### OSHA/HCS Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product

### Signal Word

None

### Hazard statement

No known significant effects or critical hazards.

### Precautionary Statements

#### Prevention

Not applicable.

#### Response

Not applicable.

#### Storage

Not applicable.

**Disposal**

Not applicable.

**Hazards not otherwise classified**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Composition**

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

Chemical Name	CAS No.	%
Citric acid	77-92-9	>1- <3%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**4. FIRST AID MEASURES****First aid measures**

<b>Skin Contact</b>	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
<b>Eye contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Ingestion</b>	Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Most important symptoms and effects, both acute and delayed**

<b>Inhalation</b>	None known.
<b>Ingestion</b>	None known.
<b>Skin Contact</b>	None known.
<b>Eye Contact</b>	None known.
<b>Symptoms</b>	None known.

**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.
<b>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** None known

**Hazards arising from the chemical**

No specific fire or explosion hazard.

**Hazardous thermal decomposition products**

Decomposition products may include the following materials: carbon dioxide and carbon monoxide.

**Protective equipment and precautions for firefighters**

Fire fighters should wear full protective equipment and NIOSH/MSHA approved self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

No action shall be taken involving any personal risk or without suitable training. Keep personnel unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Put on appropriate personal protective equipment.

**Emergency responders**

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions**

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and material for containment and cleaning up**

**Methods for cleaning up and containment**

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.

Large spill: Stop leak if without risk. Move containers from spill area. 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. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## **7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling**

Put on appropriate personal protective equipment (see Section 8).

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. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

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. 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 – United States****Occupational exposure limits**

Ingredient name	Exposure limits
Citric acid	None.

**Appropriate engineering controls****Engineering Controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Individual protection measures, such as personal protective equipment****Eye/face 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: safety glasses with side-shields.

**Skin and body protection**

Hand protection: 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. Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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.

**Respiratory protection**

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.

**Hygiene measures**

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.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Physical state	Liquid
Color	Green
Odor	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Specific Gravity	No information available	
Viscosity	No information available	
Melting point/freezing point	No Information available	
Flash point	No information available	
Boiling point / boiling range	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Upper flammability limit:	No Information available	
Lower flammability limit:	No Information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Autoignition temperature	No Information available	
Decomposition	No information available	

## 10. STABILITY AND REACTIVITY

### Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### Chemical stability

Stable under normal temperatures and conditions.

### Possibility of Hazardous Reactions

None known under normal conditions of storage and use, hazardous reaction will not occur.

### Conditions to avoid

No specific data.

### Incompatible materials

No information available.

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure -Acute Toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
Citric acid	LD50 Oral	Rat	3 g/kg	–

**Irritation/Corrosion**

Product/ Ingredient name	Result	Species	Score	Exposure	Observation
Citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750µg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500mg	-

**Sensitization**

No information available.

**Mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**Teratogenicity**

No information available.

**STOT – Single and repeated exposure**

No information available.

**Aspiration hazard**

No information available.

**Information on the likely routes of exposure:** Derma contact. Eye contact. Inhalation. Ingestion. Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation** None known.

**Eye contact** None known.

**Skin Contact** None known.  
**Ingestion** None known.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure****Potential immediate effects**

No known significant effects or critical hazards.

**Potential delayed effects**

No known significant effects or critical hazards.

**Long term exposure****Potential immediate effects**

No known significant effects or critical hazards.

**Potential delayed effects**

No known significant effects or critical hazards.

**Potential chronic health effects****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.

**Acute toxicity estimates – Oral – ATE Value:** 250000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Persistence and degradability

No Information available.

### Bioaccumulation

Citric acid: **LogP<sub>ow</sub>**: -1.8      **BCF**: -      **Potential**: low

### Mobility

No information is available.

### Other adverse effects

No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated.

### IATA

Not regulated.

### IMDG

Not regulated.

### **Environmental hazards**

No

Special precautions for user: 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

**U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption:** Not determined / **United States inventory (TSCA 8b):** All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) – Not listed.

Clean Air Act Section 602 Class I Substances – Not listed.

Clean Air Act Section 602 Class II Substances - Not listed.

DEA List I Chemicals (Precursor Chemicals) – Not listed.

DEA List II Chemicals (Essential Chemicals) - Not listed.

#### **SARA 302/304**

Composition/information on ingredients – No products were found.

**SARA 304RQ** – Not applicable

**SARA 311/312** – Classification not applicable

#### **Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Citric acid	≥1-≤3	No	No	No	Yes	No

SARA 313 – No information available

#### **State regulations:**

Massachusetts/New York/New Jersey/Pennsylvania: None of the components are listed.

#### **California Prop.65**

No products found.

## **16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health hazards 1</b>	<b>Flammability 0</b>	<b>Reactivity 0</b>	<b>Physical and Chemical Properties -</b>
<b>HMIS</b>	<b>Health hazards 1</b>	<b>Flammability 0</b>	<b>Physical hazards 0</b>	<b>Personal protection B</b>
<b>Issue Date</b>	30-Apr-2021			
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<b>Revision Note</b>	New Format			

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**