



BG PRODUCTS, INC.  
701 South Wichita  
Wichita, KS 67213  
(316) 265-2686

Date: 11-14-03  
Replaces: 05-01-00

545

**MATERIAL SAFETY DATA SHEET**  
**Emergency Phone: (800) 424-9300**

**Section A. PRODUCT IDENTIFICATION**

Product Number: 545  
Product Name: Supplemental Coolant Additive

Product Use: SCA for long life coolants  
CAS Number: Not Applicable

**HAZARD RATING:**

4 - EXTREME  
3 - HIGH  
2 - MODERATE  
1 - SLIGHT  
0 - INSIGNIFICANT

**NFPA (704)**

FLAMMABILITY: 0  
HEALTH: 1  
REACTIVITY: 0  
SPECIAL: 0

**HMIS**

FLAMMABILITY: 0  
HEALTH: 1  
REACTIVITY: 0  
PROTECTION: B

**Section B. HAZARDOUS COMPONENTS**

COMPONENT	Percentage	CAS No.	EXPOSURE CRITERIA
Water	Not Applicable	7732-18-5	Not Established
Potassium Hydroxide	Not Applicable	1310-58-3	2mg/M <sup>3</sup> (ceiling) (sensory)
Dodecanedioic Acid	Not Applicable	693-23-2	15mg/M <sup>3</sup> (total); 5mg/M <sup>3</sup> (resp)
Undecanedioic Acid	Not Applicable	1852-04-6	15mg/M <sup>3</sup> (total); 5mg/M <sup>3</sup> (resp)
* Potassium Nitrate	1-3	7757-79-1	15mg/M <sup>3</sup> (total); 5mg/M <sup>3</sup> (resp)
Benzotriazole	Not Applicable	95-14-7	Not Established

\* This product is a toxic chemical subject to the reporting requirements of Section 313 of SARA Title III.

**Section C. PHYSICAL AND CHEMICAL PROPERTIES**

<b>pH:</b>	9.3	<b>ODOR:</b>	Mild
<b>VAPOR PRESSURE:</b>	Not Determined	<b>APPEARANCE:</b>	Amber liquid
<b>% VOLATILES BY VOLUME:</b>	None	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	1.084
<b>SOLUBILITY IN WATER:</b>	Soluble	<b>FREEZING POINT:</b>	-8°C (17°F)

**Section D. FIRE PROTECTION AND INFORMATION**

<b>FLASH POINT AND METHOD:</b>	<b>FLAMMABLE LIMITS IN AIR:</b>	<b>AUTO IGNITION TEMPERATURE:</b>
Not Applicable	Not Applicable	Not Applicable
<b>EXTINGUISHING MEDIA:</b> Foam, Carbon dioxide, dry chemical as appropriate for surrounding fire.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Firefighters should wear protective gear including self contained breathing apparatus as appropriate for surrounding fire.		

**Section E. REACTIVITY DATA**

**STABLE (NORMAL CONDITIONS):**

Stable

**HAZARDOUS POLYMERIZATION:**

Will not occur

**HAZARDOUS AND DECOMPOSITION PRODUCTS:**

Carbon Monoxide, oxides of carbon and other products of incomplete combustion. Oxides of nitrogen may be present at temperatures above 270°F.

**INCOMPATIBILITY (CONDITIONS TO AVOID):**

Non-oxidizing and oxidizing mineral acids, aldehydes, halogens, nitrites, peroxides, oxidizers and strong oxidizing/reducing agents



## Section F. HEALTH HAZARD INFORMATION

**SKIN CONTACT:** Repeated or prolonged skin contact may cause irritation.

**EYE CONTACT:** Direct contact with product may cause irritation.

**INHALATION:** None expected. Individuals with chemical sensitivities may experience respiratory irritation if inhaled.

**INGESTION:** May be harmful if swallowed.

**CARCINOGENICITY:**

NTP?  
NO

IARC MONOGRAPHS?  
NO

OSHA REGULATED?  
NO

## Section G. EMERGENCY FIRST AID PROCEDURES

**SKIN CONTACT:** Remove all contaminated clothing and flush affected area with water for 15-20 minutes. If irritation occurs or persists, seek medical attention immediately.

**EYE CONTACT:** Flush with large amounts of water for 15-20 minutes. If irritation occurs or persists, seek medical attention immediately.

**INHALATION:** Remove from exposure area to a source of fresh air. If unconscious, start artificial respiration. If breathing is difficult or labored, provide Oxygen. Seek medical attention immediately for all complaints due to inhalation exposure.

**INGESTION:** DO NOT induce vomiting. Seek medical attention immediately.

## Section H. SPECIAL PROTECTION INFORMATION

**VENTILATION REQUIREMENTS:** Use local exhaust ventilation or other engineering controls as appropriate.

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Use NIOSH/MSHA approved respirator with cartridge as appropriate.

**EYE PROTECTION:** Safety glasses or chemical goggles.

**OTHER PROTECTIVE CLOTHING AND EQUIPMENT:** Wear a long sleeved shirt or other protective clothing when a potential for contact exists. Wear chemically protective gloves when handling.

## Section I. SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep containers closed when not in use and away from sources of ignition. Use in well-ventilated areas. Physically segregate from incompatibles. **Uniform Fire Code Level 3B material.**

**OTHER PRECAUTIONS:** Common chemical hygiene practices apply when working with this material.

## Section J. ENVIRONMENTAL SPILL OR LEAK INFORMATION

**SPILLS:** Evacuate the immediate area and remove all sources of ignition. Contain and collect spill products using inert/absorbent materials. Place spill materials in a closed and labeled container for disposal. Contact response organizations as appropriate.

**WASTE DISPOSAL:** Dispose of in a manner consistent with all applicable Federal, State and Local regulations.

## Section K. TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Cleaning liquid compound, not regulated

**DOT ERG No:** Not Applicable

**DOT HAZARD NAME:** Not Applicable

**UN NUMBER:** Not Applicable

**NA NUMBER:** Not Applicable

**IMDG CLASSIFICATION:** Cleaning liquid compound, not regulated

**NMF FREIGHTCLASS:** 48580-3

**IMDG LABEL:** Not Applicable

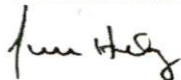
**PACKING GROUP:** Not Applicable

**DOT LABEL:** Not Applicable

## Section L. COMMENTS

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. You must notify each person to whom this mixture or trade name product is sold. This statement must not be detached. Any copy or redistribution of the Material Safety Data Sheet shall include this statement.

Signature:



Name/Title: Jim Helzer  
Safety/Environmental Director