



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** RG-2001 neutralizing conditioner  
**DOCUMENT IDENTIFIER:** 10034  
**APPLICABLE CODES:** 10000880; 10034; 238511; E073  
**SYNONYMS:** None  
**CHEMICAL FAMILY NAME:** Mixture/Not applicable  
**NFPA HAZARD RATINGS(H-F-R):** 2-0-0  
**HMIS HAZARD RATINGS(H-F-R):** 3-0-0  
**DISTRIBUTOR:** Brenntag Mid-South, Inc.  
**IN CASE OF EMERGENCY CALL:** 1-270-830-1222

**CONTACT INFORMATION:** P.O. Box 20  
Henderson, KY 42419  
1-270-830-1222

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBERS	Percent
Sodium carbonate	000497-19-8	13

Remainder consists of non-hazardous and other ingredients below reportable levels.

**Trace impurities and additional material names not listed above may also appear in the Regulatory Information Section (Section 15) towards the end of the MSDS. These materials may be listed for local "Right to Know" compliance and for other reasons.**

## 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** CAUTION! May cause irritation to skin, eyes, and respiratory tract.

**POTENTIAL HEALTH EFFECTS:**

**SKIN CONTACT:** Contact with the skin may cause irritation.  
**SKIN ABSORPTION:** No data available  
**EYES:** Contact with the eyes may cause irritation.  
**INGESTION:** No data available  
**INHALATION:** Inhalation may be irritating to respiratory tract.  
**MEDICAL CONDITIONS AGGRAVATED:**  
No data available

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Components found on one of the OSHA designated carcinogen lists are listed below.**

<b>INGREDIENT</b>	<b>NTP</b>	<b>IARC</b>	<b>OSHA</b>
Sodium carbonate	N	N	N

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#### **4. FIRST AID MEASURES**

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**SKIN CONTACT:** Remove contaminated clothing and shoes.  
Wash exposed areas with soap and water.  
Call a physician if irritation persists.

**EYE CONTACT:** Flush eyes with water for at least 15 minutes.  
Call a physician if irritation persists.

**INGESTION:** Call a physician immediately!  
Do not induce vomiting!  
Give 1-2 glasses of water to dilute.  
Do not give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air.  
If breathing has stopped, give artificial respiration.  
Call a physician if irritation persists.

**NOTES TO PHYSICIAN:** While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities and vesicular skin reactions in humans with abraded skin only.  
Treatment is symptomatic and supportive.

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#### **5. FIRE FIGHTING MEASURES**

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#### **FIRE AND EXPLOSIVE PROPERTIES**

<b>FLASH POINT:</b>	Not applicable °F
<b>FLASH POINT:</b>	Not applicable °C
<b>LOWER FLAMMABILITY LIMIT:</b>	Not applicable
<b>UPPER FLAMMABILITY LIMIT:</b>	Not applicable
<b>AUTOIGNITION TEMPERATURE:</b>	Not applicable °F, Not applicable °C
<b>FLAMMABILITY CLASSIFICATION:</b>	Not applicable
<b>EXTING. MEDIA:</b>	This product is not flammable. Use extinguishing media for surrounding fire.
<b>FIRE FIGHTING :</b>	Cool fire-exposed containers with water spray.
<b>PROTECTIVE EQUIPMENT:</b>	Use NIOSH-approved self-contained breathing apparatus and complete protective clothing when fighting chemical fires.
<b>FIRE HAZARDS:</b>	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>SMALL SPILLS:</b>	Contain spill and ventilate area. Absorb on inert media and containerize for disposal.
<b>LARGE SPILLS:</b>	Contain spill and ventilate area. Permit only trained personnel wearing full protective equipment to enter the spill area. Collect the spill in a waste container or remove with a vacuum truck. Prevent spill from entering natural watercourses.

### PROTECTIVE EQUIPMENT\ SPILL-RELEASE INSTRUCTIONS:

Wear complete protective clothing when cleaning up chemical spills. Spills and releases may have to be reported to federal and/or local authorities. See the Regulatory Information section (section 14) regarding reporting requirements.

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## 7. HANDLING AND STORAGE

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**HANDLING:** Avoid contact with skin, eyes, and clothing.  
 Avoid breathing product vapors and mists.  
 Do not take internally.  
 Wash thoroughly after handling this material.  
 Use this material only with adequate ventilation.

**STORAGE :** Keep container closed when not in use.  
 This material should be stored in a dry area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

Good general ventilation (typically 10 air changes/hour) should be used. Ventilation rates should be matched to conditions.

### PERSONAL PROTECTIVE EQUIPMENT

**SKIN:** Wear impervious gloves.

**EYE :** Wear chemical safety goggles.

**RESPIRATORY:** Use a NIOSH-approved respirator for dusts/mists when necessary.

**OTHER:** Emergency showers, eye-wash stations, and fire blankets should be accessible. Wear protective clothing.

### EXPOSURE GUIDELINES :

INGREDIENT	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Sodium carbonate	N/EST	N/EST	N/EST	N/EST

N/EST = Not established

See 29 CFR 1910.1000 (D) (2) and ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>PHYSICAL STATE:</b>	Liquid
<b>APPEARANCE</b>	Colorless
<b>ODOR:</b>	Odorless
<b>SPECIFIC GRAVITY:</b>	1.2
<b>SOLUBILITY (IN WATER):</b>	Complete
<b>BOILING POINT (°F):</b>	Not available
<b>BOILING POINT (°C):</b>	Not available
<b>FREEZING POINT (°F):</b>	Not available
<b>FREEZING POINT (°C):</b>	Not available
<b>MELTING POINT (°F):</b>	Not available

**MELTING POINT (°C):** Not available  
**PRODUCT pH :** Not available  
**VAPOR PRESSURE:** Not available  
**VAPOR DENSITY:** Not available  
**EVAPORATION RATE:** Not available  
**VISCOSITY:** Not available  
**% VOLATILES:** Negligible

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## 10. STABILITY AND REACTIVITY

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**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Exposure to high temperatures should be minimized.  
**INCOMPATIBILITY:** Halogens  
Metals  
Acids  
Combustible materials  
Reducing agents  
**DECOMPOSITION:** Toxic oxides of carbon  
Oxides of sodium  
**POLYMERIZATION WILL OCCUR:** No

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## 11. TOXICOLOGICAL INFORMATION

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**IMMEDIATE EFFECTS:** May cause irritation to skin, eyes, and respiratory tract. The following is based on a 100% solution: SODIUM CARBONATE: IRRITATION DATA: 500 mg/24 hours skin-rabbit mild; 100 mg/24 hours eyes-rabbit moderate; 100 mg/30 seconds rinsed eyes-rabbit mild; 50 mg eyes-rabbit severe; TOXICITY DATA: LD50: 4090 mg/kg oral-rat; LC50: 2300 mg/m<sup>3</sup>/2 hours inhalation-rat; LD50: 6600 mg/kg oral-mouse; LC50: 1200 mg/m<sup>3</sup>/2 hours inhalation-mouse; LD50: 117 mg/kg intraperitoneal-mouse; LD50: 2210 mg/kg subcutaneous-mouse; LC50: 800 mg/m<sup>3</sup>/2 hours inhalation-guinea pig

**CARCINOGENICITY:** No data available  
**MUTAGENICITY:** No data available  
**EPIDEMIOLOGY:** No data available  
**TERATOGENICITY:** No data available  
**REPRODUCTIVITY:** The following is based on a 100% solution: SODIUM CARBONATE: TDLo: 84800 ng/kg intrauterine-mouse 4 days pregnant female continuous  
**NEUROTOXICITY:** No data available

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## 12. ECOLOGICAL INFORMATION

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The following is based on a 100% solution: SODIUM CARBONATE: ECOTOXICITY DATA: FISH TOXICITY: LC50: 300000 ug/L 96 hours (Mortality) Bluegill (*Lepomis macrochirus*); INVERTEBRATE TOXICITY: LC50: 265000 ug/L 48 weeks (Mortality) Water flea (*Daphnia magna*); ALGAL TOXICITY: EC50: >800000 ug/L NR hours (Population Growth) Diatom (*Nitzschia fonticola*)

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### 13. DISPOSAL CONSIDERATIONS

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**RCRA WASTE:** No

**RCRA ID NUMBER:** Not applicable

**VOC CONTENT (lbs/gal):** Not applicable

**Waste Disposal Procedure:** Discharge, treatment, or disposal may be subject to Federal, State, or Local laws. State and Local regulations and restrictions are complex and may differ from Federal disposal regulation. The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA Classification and the proper disposal method.

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### 14. TRANSPORTATION INFORMATION

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**D.O.T. SHIPPING NAME:** Not D.O.T. regulated

**D.O.T. HAZARD CLASS:** None

**DOT ID NUMBER:** UN N/AP

**DOT PACKING GROUP:** None

**DOT RQ (lbs):** N/AP

**OTHER:** None

**MARINE POLLUTANT:** No

#### OTHER REGULATORY INFORMATION

**IMDG HAZARD CLASS:** None

**ICAO HAZARD CLASS:** None

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### 15. REGULATORY INFORMATION

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#### FEDERAL REGULATIONS

**TSCA (Toxic Substance Control Act):** Yes  
**SECTION 311/312 HAZARD CLASS:** Immediate (acute) health hazard

**SARA TITLE III (Superfund Amendments and Reauthorization Act):**

<b>INGREDIENTS</b>	<b>CAS NUMBERS</b>	<b>Section 313</b>	<b>Section 302</b>
Sodium carbonate	000497-19-8	N	N

**WHMIS CLASSIFICATION (CANADA):** Not restricted  
**FOREIGN INVENTORY:** EINECS (European Inventory of Existing Commercial Chemical Substances)  
Canadian DSL (Domestic Substances List)

**STATE RIGHT TO KNOW**

**CALIFORNIA PROP 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (Arsenic, Chromium, Lead, Cadmium)  
This product may contain trace amounts of Arsenic (CAS# 7440-38-2), Cadmium (CAS# 7440-43-9), and Lead (7439-92-1).  
This product may contain trace amounts of chromium (CAS# 7440-47-3).

**MASSACHUSETTS SUBSTANCE LIST:** Arsenic, Cadmium, Chromium

**NEW JERSEY SUBSTANCE LIST:** Not listed

**PENNSYLVANIA HAZARDOUS SUBSTANCE LIST:** Not listed

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**16. OTHER INFORMATION**

**CREATION DATE:** 03/09/2000

**REVISION DATE:** 06/18/2001

**DISCLAIMER:**

The information herein is presented in good faith and is believed to be correct as of the date hereof. However, Brenntag Mid-South, Inc. makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

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**EXPLANATION OF ABBREVIATIONS:**

N/EST = Not Established

N/AP = Not Applicable

N/AV = Not Available