



Material Safety Data Sheet

Bromocresol Green, 0.04% Aqueous Solution

MSDS# 92106

Section 1 - Chemical Product and Company Identification

MSDS Name: Bromocresol Green, 0.04% Aqueous Solution  
Catalog Numbers: 61274-5000  
Synonyms: None.

Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

Company Identification: (USA) Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

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Risk Phrases:

CAS#: 64-02-8  
Chemical Name: Tetrasodium ethylenediaminetetraacetate  
%: 0.02  
EINECS#: 200-573-9  
Hazard Symbols:

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Risk Phrases:

CAS#: 7732-18-5  
Chemical Name: Water  
%: >99.9  
EINECS#: 231-791-2  
Hazard Symbols:

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Risk Phrases:

CAS#: 62625-32-5  
Chemical Name: Bromocresol green sodium salt  
%: <1.00  
EINECS#: 263-657-4  
Hazard Symbols:

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Text for R-phrases: see Section 16

Hazard Symbols: None listed

Risk Phrases: None listed

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Caution! May cause eye, skin, and respiratory tract irritation. Target Organs: None.

#### Potential Health Effects

- Eye: May cause eye irritation. Low hazard for normal industrial handling.
- Skin: May cause skin irritation. Low hazard for usual industrial handling.
- Ingestion: Low hazard for usual industrial handling.
- Inhalation: Low hazard for usual industrial handling.
- Chronic: No information found.

#### Section 4 - First Aid Measures

- Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
- Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid if irritation or symptoms occur.
- Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

#### Section 5 - Fire Fighting Measures

- General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
- Autoignition Temperature: Not applicable.
- Flash Point: Not applicable.
- Explosion Limits: Not available
- Lower: Not available
- Explosion Limits: Not available
- Upper: Not available
- NFPA Rating: health: 1; flammability: 0; instability: 0;

#### Section 6 - Accidental Release Measures

- General Information: Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section.

#### Section 7 - Handling and Storage

- Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
- Storage: Store in a cool, dry place.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Tetrasodium ethylenediaminetetraacetate	none listed	none listed	none listed
Water	none listed	none listed	none listed
Bromocresol green sodium salt	none listed	none listed	none listed

OSHA Vacated PELs: Tetrasodium ethylenediaminetetraacetate: None listed Water: None listed Bromocresol green sodium salt: None listed

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

#### Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: green

Odor: odorless

pH: Not available

Vapor Pressure: 14 mm Hg @20 deg C

Vapor Density: Not available

Evaporation Rate: >1

Viscosity: Not available

Boiling Point: 100 deg C ( 212.00°F)

Freezing/Melting Point: 0 deg C ( 32.00°F)

Decomposition Temperature: Not available

Solubility in water: Soluble in water.

Specific Gravity/Density: 1.0

Molecular Formula: Mixture

Molecular Weight: 0

#### Section 10 - Stability and Reactivity

Chemical Stability: Stable.

Conditions to Avoid: None reported.

Incompatibilities with Other Materials: Not available

Hazardous Decomposition Products: None.

Hazardous Polymerization: Hazardous Polymerization

#### Section 11 - Toxicological Information

RTECS#: CAS# 64-02-8: AH5075000  
CAS# 7732-18-5: ZC0110000  
CAS# 62625-32-5: None listed

RTECS:

**CAS# 64-02-8:** Draize test, rabbit, eye: 1900 ug;  
Draize test, rabbit, eye: 100 mg/24H Moderate;  
Draize test, rabbit, skin: 500 mg/24H Moderate;

LD50/LC50:

RTECS:

**CAS# 7732-18-5:** Oral, rat: LD50 = >90 mL/kg;

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RTECS:

**CAS# 62625-32-5:**

Tetrasodium ethylenediaminetetraacetate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: Water - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
Bromocresol green sodium salt - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 64-02-8: 2

CAS# 7732-18-5: Not available

CAS# 62625-32-5: Not available

Canada

CAS# 64-02-8 is listed on Canada's DSL List

CAS# 7732-18-5 is listed on Canada's DSL List

CAS# 62625-32-5 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 64-02-8 is not listed on Canada's Ingredient Disclosure List.

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 62625-32-5 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 64-02-8 is listed on the TSCA Inventory.

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 62625-32-5 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 11/09/2001

Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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