



Material Safety Data Sheet
DL-2-Bromopropionic acid

MSDS# 88321

Section 1 - Chemical Product and Company Identification

MSDS Name: DL-2-Bromopropionic acid
Catalog Numbers: AC107350000, AC107350010, AC107350025, AC107352500
Synonyms: None known.

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

CAS#: 598-72-1
Chemical Name: DL-2-Bromopropionic acid
%: 99+
EINECS#: 209-947-6

Hazard Symbols: C



Risk Phrases: 22 34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Harmful if swallowed. Causes burns by all exposure routes. Target Organs: Respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects

Eye: Causes eye burns.

Skin: Causes skin burns. May be harmful if absorbed through the skin.

Ingestion: Harmful if swallowed. Causes gastrointestinal tract burns. May cause central nervous system effects.

Inhalation: Causes chemical burns to the respiratory tract. May be harmful if inhaled. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower

	eyelids. Get medical aid immediately.
Skin:	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Do not induce vomiting. Get medical aid immediately. Call a poison control center.
Inhalation:	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Notes to Physician:	Treat symptomatically and supportively.

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:	Do NOT use alcohol foams. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Autoignition Temperature:	Not available
Flash Point:	100 deg C (212.00 deg F)
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
NFPA Rating:	health: 3; flammability: 1; instability: 1;

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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling:	Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.
Storage:	Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store protected from light.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
DL-2-Bromopropionic acid	none listed	none listed	none listed

OSHA Vacated PELs: DL-2-Bromopropionic acid: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

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: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid above room temperature

Color: after melting, clear colorless - yellow

Odor: pungent odor

pH: Not available

Vapor Pressure: 0.1 mm Hg @ 25 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 203 deg C @ 760 mm Hg (397.40°F)

Freezing/Melting Point: Not available

Decomposition Temperature: Not available

Solubility in water: Soluble

Specific Gravity/Density: 1.650

Molecular Formula: CH₃CH(Br)CO₂H

Molecular Weight: 152.98

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, light, excess heat.

Incompatibilities with Other Materials: Reducing agents, strong acids, strong bases, aluminum, magnesium.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen bromide, bromine.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 598-72-1: UA2451715

LD50/LC50: RTECS: Not available. Other: Toxicity data for similar chemical, 2-bromobutyric acid, CAS 80-58-0.; Oral, rat: LD50 = 181 mg/kg, Oral, mouse: LD50 = 70 mg/kg, Dermal, guinea pig: LD50 = 0.1-0.5 mL/kg (with CNS signs), Dermal, guinea pig: LD50 = 156-780 mg/kg (with CNS signs), The test material is a severe skin irritant. (Toxicity testing by Eastman Kodak)

Carcinogenicity: DL-2-Bromopropionic acid - 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

Other: Do not empty into drains.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: CORROSIVE SOLIDS, TOXIC, N.O.S.

Hazard Class: 8

UN Number: UN2923

Packing Group: II

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: C

Risk Phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 598-72-1: Not available

Canada

CAS# 598-72-1 is listed on Canada's NDSL List

Canadian WHMIS Classifications: E, D1B

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# 598-72-1 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 598-72-1 is listed on the TSCA
Inventory.

Section 16 - Other Information

MSDS Creation Date: 1/18/2000

Revision #8 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.
