



EconoCap-BR

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 11/24/2014

Supersedes: 08/13/2014

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier

Product form: Solid

Product name:

EconoCap-BR

Chemical name: Sodium Bromate, Encapsulated

CAS No.: Mixture

Synonyms: Encapsulated Breaker

Intended Use Of The Product

Use of the substance/mixture: Breaker. For professional use only.

Name, Address, And Telephone Of The Responsible Party

Economy® Polymers & Chemicals

435 E. Anderson Road

77047 Houston, TX

T 1-800-231-2066

www.economypolymers.com

Emergency Telephone Number

Emergency number : CHEMTREC 1-800-424-9300 (US); 703-527-3887 (International, collect calls are accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification Of The Substance Or Mixture

GHS-US classification

Ox. Sol. 3 H272

Acute Tox. 4 (Oral) H302

Skin Irrit. 2 H315

Eye Irrit. 2A H320

STOT SE 3 H335

Org. Dam 2 (Res) H371

Label Elements

Hazard pictograms (GHS-US)

GHS-US labeling



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H371 - May cause damage to organs (respiratory system)

Precautionary statements (GHS-US)

: P210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P220 - Keep/Store away from clothing, combustible materials, and other incompatibilities.
P260 - Do not breathe dust.
P262 - Do not get in eyes/on skin/on clothing
P264 - Wash hands, forearms, exposed areas thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace

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P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - [In case of inadequate ventilation] wear respiratory protection.
P301+P312 - If swallowed, call a doctor if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P321 - Specific treatment (see section 4).
P330 - If swallowed, rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use water spray for extinction.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards Not available

Unknown acute toxicity (GHS US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name	Product Identifier	% (w/w)	GHS-US classification
Sodium Bromate	(CAS No.) 7789-38-0	>70%	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Cured Resin	Not Available	<30%	Not Classified
Silica, Crystalline-Quartz	(CAS No.) 14808-60-7	<1%	May cause cancer, H350 May cause respiratory irritation, H335 Causes Damage to organs, H372

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description Of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER/doctor/physician if you feel unwell. Keep at rest and in a position comfortable for breathing.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

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Most Important Symptoms And Effects Both Acute and Delayed

General: Harmful if swallowed. Irritation to eyes, skin and respiratory tract. Exposure may produce an allergic reaction.

Inhalation: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes eye irritation.

Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Chronic symptoms: Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing. May cause an allergic skin reaction.

Indication Of Any Immediate Medical Attention And Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: Do not use carbon dioxide or other gas filled extinguishers; they are not effective against decomposing persulfate.

Special Hazards Arising From The Substance Or Mixture

Fire hazard: May intensify fire; oxidizer. Will burn if exposed to heat, and in addition, will accelerate the burning of other combustibles, resulting in more rapid spread of fire.

Explosion hazard: Risk of fire and explosion on contact with combustible substances or reducing agents.

Reactivity: May cause or intensify fire; oxidizer.

Advice For Firefighters

Precautionary measures fire: Exercise caution when fighting any chemical fire.

Firefighting instructions: Fight fire remotely due to the risk of explosion.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Releases toxic fumes under fire conditions. Carbon oxides (CO, CO₂). Oxides of Sodium. Hydrogen Bromide.

Reference To Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

General measures: Avoid all eyes and skin contact and do not breathe vapour and mist. Avoid contact with most metals, carbides, hydrogen sulfide, turpentine, organic acids, combustibles (wood, paper, cotton) and other organic and readily oxidized materials. Avoid generating dust.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Stop leak if safe to do so. Evacuate unnecessary personnel.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods And Material For Containment And Cleaning Up

For containment: Stop the flow of material, if this is without risk. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely. Avoid generating dust during clean-up of spills.

Reference To Other Sections

See heading 8, exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

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Precautions For Safe Handling

Additional hazards when processed: Hazardous waste due to potential risk of explosion on contact with incompatible materials.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Conditions For Safe Storage, Including Any Incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Store in a dry, cool (< 85 °F, < 29°C) and well-ventilated place away from other materials. Store away from direct sunlight or other heat sources. Keep container closed when not in use. Product has a shelf life of twelve (12) months. Store locked up.

Incompatible materials: Reducing agents. Strong bases. Powdered metals. Combustible material.

Specific End Use(s)

Breaker. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Limits

Component Name (CAS-No.)	Reference	Limit Values	
		ACGIH (TWA)	0.025 mg/m ³ (Respirable dust)
Silica, Crystalline-Quartz CAS# 14808-60-7	NIOSH (REL)	0.05 mg/m ³ (Respirable dust)	
	OSHA (PEL)	10 mg/m ³ (Respirable) %SiO ₂ +2	30 mg/m ³ (Total) %SiO ₂ +2
		Not Established	
Sodium Bromate CAS# 7789-38-0	ACGIH (TWA)	Not Established	
	NIOSH (REL)	Not Established	
	OSHA (PEL)	Not Established	

Exposure Controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment: Gloves. Protective goggles. Fireproof clothing.



Materials for protective clothing: Chemically resistant materials and fabrics

Hand protection: Wear chemically resistant protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear fireproof clothing and protective shoes or boots.

Respiratory protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

Other information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information On Basic Physical And Chemical Properties

Physical state	: Solid
Appearance	: White powder
Odour	: Odorless
Odour threshold	: Not available
pH	: Not Determined

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Relative evaporation rate (butylacetate=1)	: Not available
Melting point	: Not Available
Boiling point	: Not Available
Flash point	: Not Available
Auto-ignition temperature	: Not Available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower flammable limit	: Not available
Upper flammable limit	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density/Specific gravity	: 2.50 (water = 1)
Molecular weight	: Not available
Solubility	: Partially Soluble in Water

SECTION 10: STABILITY AND REACTIVITY

Reactivity May cause or intensify fire; oxidizer.

Chemical Stability Stable at standard temperature and pressure.

Possibility Of Hazardous Reactions Hazardous polymerization will not occur.

Conditions To Avoid Direct sunlight. Extremely high or low temperatures. Sparks. Open flame.

Incompatible Materials Combustible materials. Strong bases. Reducing agents. Powdered metals.

Hazardous Decomposition Products Carbon oxides (CO, CO₂). Oxides of Sodium. Hydrogen Bromide

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects - Product

Acute toxicity : Harmful if swallowed.

LD50 and LC50 Data:

Sodium Bromate LD₅₀: 250mg/kg, oral, rabbit

Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion

Chronic symptoms: Prolonged Exposure to crystalline silica may cause silicosis and cancer

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

EconoCap-BR	
Toxicity	No Data Available

Persistence And Degradability

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Persistence and degradability	No Data Available

Bioaccumulative Potential: No Data Available

Mobility: No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Additional information: Hazardous waste due to potential risk of explosion.

SECTION 14: TRANSPORT INFORMATION

US DOT Classification

UN number:	1494
UN proper shipping name:	Sodium Bromate
Transport hazard class:	5.1
Packing group:	II

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Hazard Label (DOT):



SECTION 15: REGULATORY INFORMATION

US Regulation

Inventory Status:

SARA 302 EHS Chemicals:

SARA (311/312) HAZARD CATEGORIES:

SARA 313:

EPA CERCLA/Superfund Reportable Spill Quantity:

Components are listed on TSCA inventory or are exempt.

This material does not contain any SARA extremely hazardous substances.

Acute Health Hazard

Chronic Health Hazard

Fire Hazard

Reactive Hazard

This material does not contain any SARA 313 chemicals.

This material does not contain any CERCLA regulated chemicals.

EU Regulation

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Inventory Status:

Classification:

Risk phrases:

Safety phrases:

Symbols:

EINECS - Listed

ELINCS - Not listed

O – Oxidizer

X_n – Harmful

X_i – Irritant

R8 – Contact with combustible material may cause fire

R22 – Harmful if swallowed

R36/37/38 – Irritating to eyes, respiratory system and skin

S17 – Keep away from combustible material

S45 – In case of accident or if you feel unwell, seek medical advice immediately

S53 – Avoid exposure, obtain special instructions before use



Canadian Regulation

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the Safety Data Sheet (SDS) contains all the information required by the CPR.

WHMIS

Ingredients Disclosure List

Domestic Substances List

Symbols

Class C: Oxidizing Material

Class D2A: Material causing other toxic effects

- Carcinogenicity: IARC group 1, ACGIH A2 (crystalline-quartz silica)

- Chronic toxic effect: silicosis (crystalline-quartz silica)

Class D2B: Material causing other toxic effects

- Skin/Eye irritant (Sodium Bromate)

- Skin sensitization in humans (Sodium Bromate)

Listed

Listed



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SECTION 16: OTHER INFORMATION

Indication of changes : 08/23/2013

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Ox. Sol. 3	Oxidising solids Category 3
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
Org Dam 2 (Res)	May Cause Damage to Organs (Respiratory System)
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H350	May cause cancer (inhalation)
H371	May cause damage to organs (respiratory system)
H372	Causes damage to organs through repeated exposure (respiratory system)

Party Responsible For The Preparation Of This Document:

Economy Polymers & Chemicals
435 E. Anderson Road Houston, TX 77047
713-723-8416; 1-800-231-2066

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS