Negative Expander All Series

Safety Data Sheet

According to ABNT NBR 14725-4

Revision Date: 12/02/2014 Version: 1.0

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1. Product Identifier

Product Form: Mixture

Product Name: Negative Expander All Series

1.2. Intended Use of the Product

Use of the Substance/Mixture: Lead/acid battery negative plates

For professional use only

1.3. Name, Address, And Telephone Of The Responsible Party

Company

Atomized Products Group, Inc
3838 Miller Park Dr
Garland, TX 75042
T 972-272-9596
atomizedproductsgroup.com

1.4. Emergency Telephone Number

Emergency Number : 800-255-3924 (CHEMTEL)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Hazard Classification Of The Substance Or Mixture And The Classification System Used

Carc. 2 H351

2.2. Appropriate Elements Of Labeling

Hazard pictograms (GHS-BR) :

GHS08

Signal word (GHS-BR) : Warning

Hazard statements (GHS-BR) : H351 - Suspected of causing cancer

Precautionary statements (GHS-BR) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.
P308+P313 - If exposed or concerned, get medical advice and attention.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, regional, national, and international regulations.

2.3. Other Hazards which do not Result in Classification

Other Hazards Not Contributing to the Classification: COMBUSTIBLE DUST. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged inhalation of this material may cause benign pneumoniosis called baritosis from barium sulfate contained in this product. May form combustible dust concentrations in air.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Name	Product Identifier	%	Classification according to ABNT NBR 14725-2
Barium sulfate	(CAS No) 7727-43-7	24 - 88	Not classified
Sodium ligno sulfonate	(CAS No) 8061-51-6	4 - 88	Not classified
Carbon black	(CAS No) 1333-86-4	3 - 28	Carc. 2, H351

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

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).

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists.

First-aid Measures After 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 persists.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention if a large amount is swallowed.

Actions That Must Be Avoided: Avoid creating or spreading dust

Protection For The First Aid Staff: Use appropriate personal protection equipment (PPE).

4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Symptoms/injuries: Suspected of causing cancer.

Symptoms/injuries After Inhalation: Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/injuries After Skin Contact: Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/injuries After Eye Contact: Repeated or prolonged contact will cause mechanical irritation.

Symptoms/injuries After Ingestion: If a large quantity has been ingested : Gastrointestinal irritation. May cause nausea, vomiting, and diarrhea.

Chronic Symptoms: Cancer suspected agent. Prolonged inhalation of this material may cause benign pneumoniosis called baritosis from barium sulfate contained in this product.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Means

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

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures. Dust explosion hazard in air.

Explosion Hazard: Avoid dust clouds in combination with static electricity. Dust explosion hazard in air.

Reactivity: Hazardous reactions will not occur under normal conditions. Dust clouds can be explosive.

5.3. Special Methods For Fire Fighting

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

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

Other Information: Risk of dust explosion.

Hazardous Combustion Products: Carbon oxides (CO, CO_2). Barium oxides. Sodium oxides. Sulfur oxides.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions In Case Of Spillage Or Leakage

General Measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged contact with eyes, skin and clothing. Avoid generating dust.

6.1.1. For Non-emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area.

6.2. Precautions For The Environment

Prevent entry to sewers and public waters.

6.3. Cleaning Methods

For Containment: Avoid generation of dust during clean-up of spills. Use only non-sparking tools.

Methods For Cleaning Up: Clear up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Use only non-sparking tools. Use explosion proof vacuum during cleanup, with appropriate filter, do not mix with other materials. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Handling

Additional Hazards When Processed: Avoid dust production. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion, keep dust levels to a minimum and follow applicable regulations. Do not pressurize, cut, or weld containers.

Precautions For Safe Handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Handle in accordance with good industrial hygiene and safety procedures.

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. Do not eat, drink or smoke when using this product.

7.2. Storage

Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, ignition sources, incompatible materials.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

7.3. Specific End Use(s)

Lead/acid battery negative plates. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

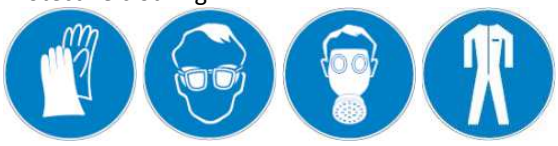
No additional information available

8.2. Exposure controls

Appropriate Engineering Controls : Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. 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.

8.3. Personal Protective Equipment

Personal Protective Equipment : Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection. Protective 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 suitable protective clothing.

Respiratory Protection : In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Thermal Hazard Protection : Wear suitable protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Physical and Chemical Properties

Physical State	: Solid
Appearance	: Black, powder.
Colour	: No data available
Odour	: Perfume (Vanilla).
Odour Threshold	: No data available
pH	: Neutral
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available

Flash Point	: No data available
Relative Evaporation Rate (butylacetate=1)	: No data available
Flammability (solid, Gas)	: No data available
Explosive Limits	: No data available
Vapour Pressure	: No data available
Relative Vapour Density At 20 °c	: No data available
Specific Gravity	: No data available
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Viscosity, Kinematic	: No data available
Viscosity, Dynamic	: No data available
Explosive Properties	: No data available
Oxidising Properties	: No data available

9.2. Other information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Hazardous reactions will not occur under normal conditions. Dust clouds can be explosive.

10.2 Chemical Stability: Dust clouds can be explosive.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Open flame. Ignition sources. Incompatible materials.

10.5 Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous Decomposition Products: Carbon oxides (CO, CO2). Sulfur oxides. Sodium oxides. Barium oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity : Not classified (Not classified)

Skin Corrosion/irritation: Not classified **pH:** neutral

Serious Eye Damage/irritation: Not classified **pH:** neutral

Respiratory Or Skin Sensitisation: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Suspected of causing cancer.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (single Exposure): Not classified

Specific Target Organ Toxicity (repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Skin Contact: Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Eye Contact: Repeated or prolonged contact will cause mechanical irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested : Gastrointestinal irritation. May cause nausea, vomiting, and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Carbon black (1333-86-4)	
LC50 fishes 1	5601 mg/l
EC50 Daphnia 1	5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

12.2. Persistence And Degradability No additional information available

12.3. Bioaccumulative Potential No additional information available

12.4. Mobility In Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose in a safe manner in accordance with local/national regulations.

Additional Information: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport Information

14.1.1 – UN Number No additional information available

14.1.2 – Proper Shipping Name No additional information available

14.1.3 – Hazard Class/Division and Subsidiary Risk No additional information available

14.1.4 – Packing Group No additional information available

14.1.5 – Marine Pollutant No additional information available

SECTION 15: REGULATIONS

15.1 Regulatory Information

Carbon black (1333-86-4)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Sustances List) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.
Listed on European List of Notified Chemical Substances (ELINCS)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian Ingredient Disclosure List

Barium sulfate (7727-43-7)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Sustances List) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.
Listed on European List of Notified Chemical Substances (ELINCS)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium ligno sulfonate (8061-51-6)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Sustances List) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: OTHER INFORMATION

Revision Date : 12/02/2014

Other Information : This document has been prepared in accordance with the SDS requirements of ABNT NBR 14725-4.

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.

SDS Brazil GHS