



SAFETY DATA SHEET

Revision Date **02-May-2012**

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name LEAD CARBONATE ACS REAGENT GRADE

Recommended Use For research use only
Registration Number No information available

1.1 Product Identifier

Catalog Number: 152536

Supplier: MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

1.2 Relevant identified uses of the substance or mixture and uses advised against

2. HAZARDS IDENTIFICATION

GHS - Classification

| | |
|---|-------------|
| Acute Oral Toxicity | Category 4 |
| Acute Inhalation Toxicity - Dusts and Mists | Category 4 |
| Carcinogenicity | Category 1A |
| Acute Aquatic Toxicity | Category 1 |
| Chronic Aquatic Toxicity | Category 1 |

GHS Label elements, including precautionary statements

Physical Hazards Explosives Substance/mixture to be considered for inclusion into Class 1.

Not Hazardous

Not classified



Signal Word

Danger

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 - Rinse mouth
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312 - Call a POISON CENTER/doctor/physician if you feel unwell
Dispose of contents/container to an approved incineration plant
P273 - Avoid release to the environment
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P308 + P313 - IF exposed or concerned: Get medical attention/advice
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

NFPA rating:

NFPA Health: 2
NFPA Flammability: 0
NFPA Reactivity: 0
NFPA Special Note: -

Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment.

General advice

IF exposed or concerned: Get medical attention/advice.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Spills and Leaks

Collect spillage

Storage

Store locked up

Disposal

Dispose of contents of container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: Not Available

Formula: CO₃Pb

Molecular weight: 267.2

| Chemical Name | EEC No. | CAS Number | Weight % | Classification (67/548) | Classification (Reg. 1272/2008) | REACH Registration Number |
|----------------|-----------|------------|----------|-------------------------|---|---------------------------|
| LEAD CARBONATE | 209-943-4 | 598-63-0 | 100 | - | GHS08 GHS07 GHS09 (Dgr) H360Df H332 H302 H373 H410 Acute Tox. 4 (H332) A 1 | No data available |

For the full text of the R phrases and H statements mentioned in this section, see Section 2

4. FIRST AID MEASURES

4.1 Description of first-aid measures

| | |
|-----------------------|---|
| General Advice | Immediate medical attention is not required. Show this safety data sheet to the doctor in attendance. |
| Eye Contact | Do not rub affected area. Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| Skin Contact | Wash off immediately with plenty of water. If symptoms persist, call a physician. |
| Inhalation | Move to fresh air in case of accidental inhalation of vapors. Immediate medical attention is not required. Move to fresh air. |
| Rinse mouth | If swallowed Do not let the person eat or drink in case of ingestion. Remove from exposure, lie down. Drink plenty of water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. |

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms No information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

No information available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

See Section 12 for additional information.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

6.4 Reference to other sections

See Section 12 for additional information

7. HANDLING AND STORAGE

Storage

ROOM TEMPERATURE

7.1 Precautions for safe handling

Wear personal protective equipment. Ensure adequate ventilation. Remove and wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place

Keep container tightly closed in a dry and well-ventilated place. Keep in a bunded area

7.3 Specific end uses

Exposure Scenario

No information available

Other Guidelines

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits

| Chemical Name | European Union | The United Kindom | France | Spain | Germany |
|----------------|----------------|-----------------------------|--------|-------|---------|
| LEAD CARBONATE | | TWA: 0.15 mg/m ³ | | | |

| Chemical Name | European Union | The United Kindom | France | Spain | Germany |
|----------------|-----------------------|-------------------|--------|-------|---------|
| LEAD CARBONATE | 70 µg Pb/100 ml blood | | | | |

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.. Ensure adequate ventilation, especially in confined areas..

Personal Protective Equipment

Eye Protection

Tightly fitting safety goggles

Skin and Body Protection

Dry moleskin gloves. Polyvinyl alcohol or nitrile-butyl rubber gloves. Solvent-resistant gloves (butylrubber). Long sleeved clothing.

Hand Protection

Protective gloves

| | |
|--|--|
| Respiratory Protection | No special protective equipment required.. |
| Other Protective Equipment | Impervious clothing. Long sleeved clothing. |
| Environmental Exposure Controls | Local authorities should be advised if significant spillages cannot be contained.. Do not allow material to contaminate ground water system.. Prevent product from entering drains.. |
| Hygiene Measures | When using, do not eat, drink or smoke.. Remove and wash contaminated clothing before re-use.. |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State Solid.

Physical Property Data

| | |
|-----------------------------------|---------------------------|
| pH Value | No data available |
| Flash Point | No information available |
| Autoignition Temperature | No data available |
| Melting/Freezing Point | |
| Boiling Point (°C) | 1740°C/3164°F |
| Vapor Pressure | No data available |
| Vapor Density | No information available |
| Water Solubility | No data available |
| Evaporation Rate | No data available. |
| Flammability (solid, gas) | No data available |
| Flammability Limits in Air | |
| upper flammability limit | No data available |
| lower flammability limit | No data available |
| Density | 11.336 g/cm3 at 20°C |
| Specific Gravity | No data available. |
| Decomposition Temperature | No data available |
| Viscosity, Kinematic | No data available. |
| Viscosity, Dynamic | No data available. |
| Explosive Properties | No information available. |
| Oxidizing Properties | No information available |
| VOC Content (%) | No information available |

9.2 Other Safety Information

Other Safety Information

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3

Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

None in particular

10.5 Incompatible Materials

None in particular

10.6 Hazardous Decomposition Products

None under normal processing.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| | |
|-----------------------|--|
| Acute Toxicity | Product does not present an acute toxicity hazard based on known or supplied information |
| Inhalation | No information available. |
| Eye Irritation | No information available. |
| Acute toxicity | 0% of the mixture consists of ingredient(s) of unknown toxicity |

| | |
|--------------------------|---|
| Mutagenic Effects | Contains no ingredient listed as a mutagen. |
|--------------------------|---|

| | |
|-----------------------------|-------------|
| Carcinogenic Effects | None known. |
|-----------------------------|-------------|

| | |
|------------------------------|------------|
| Reproductive Toxicity | None known |
|------------------------------|------------|

| | |
|-------------------------------|-------------|
| Developmental Toxicity | None known. |
|-------------------------------|-------------|

| | |
|--------------------------|------------|
| Aspiration hazard | None known |
|--------------------------|------------|

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2 Persistence and degradability

No data is available on the product itself

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

| | |
|--|---|
| Endocrine Disruptor Information | This product does not contain any known or suspected endocrine disruptors |
|--|---|

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products

Dispose of in accordance with local regulations

Contaminated Packaging

Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG/IMO

Not regulated

ICAO

Not regulated

ICAO/IATA

EGR Code

Not regulated
151

DOT

UN/ID No

Not regulated
2291

TDG

Not regulated

MEX

Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | EINECS / ELINCS | DSL / NDSL | PICCS | ENCS | IECSC | AICS | KECL |
|----------------|--------|-----------------|------------|--------|--------|--------|--------|--------|
| LEAD CARBONATE | Listed | Listed | Listed | Listed | Listed | Listed | Listed | Listed |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippine Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

16. OTHER INFORMATION

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Key literature references and sources for data

www.ChemADVISOR.com/