

Sup-R-Lead anchor

SAFETY DATA SHEET

Creation Date 26-Mar-2020

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Revision Number 0

1. Identification

1.1 Product Name **Sup-R-Lead**

CAS-No 7439-92-1
Synonyms Lead metal

1.2 Recommended Use Uses advised against

1.2.1 Relevant uses Anchor to concrete or masonry.

1.2.2 Uses advised against None known

1.3 Details of the supplier of the safety data sheet

Company

MKT Fastening, LLC
1 Gunnebo Drive
Lonoke, AR 72086
Tel: 501-676-2222
Fax: 501-676-2524
Email: sales@mktfastening.com
Home page: www.mktfastening.com

1.4 Emergency Telephone Number

US Chemtrec: 1 800 424 9300 (24 hr)

2. Hazards identification

2.1 Classification of substance

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--------------------------------------------------------------|-------------|
| Carcinogenicity | Category 1B |
| Reproductive Toxicity | Category 1A |
| Effects on or via lactation | |
| Specific target organ toxicity - (repeated exposure) | Category 1 |
| Target Organs - Kidney, Central nervous system (CNS), Blood. | |

2.2 Label Elements

Signal Word DANGER

Hazard Statements

H350 May cause cancer
H360 May damage fertility. May damage the unborn child
H362 May cause harm to breast-fed children
H372 Causes damage to organs through prolonged or repeated exposure



Precautionary Statements

Prevention

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.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P263 Avoid contact during pregnancy/while nursing.

P264 Wash face, hands and any exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Response

IF exposed or concerned: Get medical attention/advice

Storage

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

WARNING. Cancer and Reproductive Harm - <https://www.p65warnings.ca.gov/>.

3. Composition/Information on Ingredients

| Component | CAS-No | Weight % |
|-----------|-----------|----------|
| Lead | 7439-92-1 | >95 |
| Antimony | 7440-36-0 | 2 - 4% |

4. First-aid measures

4.1 Description of first aid measures

General Advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact

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

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion

Do NOT induce vomiting. Call a physician or poison control center immediately.

4.2 Most important symptoms and effects

None reasonably foreseeable.

4.3 Notes to Physician

Treat symptomatically

5. Fire-fighting measures

5.1 Extinguishing Media

| | |
|-----------------------------------------|---------------------------------------------------------------------------------------|
| Suitable Extinguishing Media | Water spray, carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam. |
| Unsuitable Extinguishing Media | No information available |
| Flash Point | No information available |
| Method - | No information available |
| Autoignition Temperature | No information available |
| Explosion Limits | |
| Upper | No data available |
| Lower | No data available |
| Sensitivity to Mechanical Impact | No information available |
| Sensitivity to Static Discharge | No information available |

5.2 Specific Hazards Arising from the substance

Non-combustible. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous Combustion Products

Lead, lead oxides.

5.3 Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA

| | | | |
|---------------|---------------------|--------------------|-------------------------|
| Health | Flammability | Instability | Physical hazards |
| 2 | 0 | 0 | N/A |

6. Accidental release measures

| | |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.1 Personal Precautions | Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. |
| 6.2 Environmental Precautions | Do not flush into surface water or sanitary sewer system. Should not be released into the environment. Do not allow material to contaminate ground water system. |
| 6.3 Methods for Containment and Clean Up | Sweep up and shovel into suitable containers for disposal. Avoid dust formation. |

7. Handling and storage

| | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1 Precautions for Safe Handling | Do not get in eyes, on skin, or on clothing. Wear personal protective equipment/face protection. Avoid dust formation. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance. |
| 7.2 Conditions for Safe Storage | Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed. |

8. Exposure controls / personal protection

8.1 Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH IDLH | Mexico OEL (TWA) |
|-----------|-----------------------------|---------------------------|-------------------------------------------------------------|-----------------------------|
| Lead | TWA: 0.05 mg/m ³ | TWA: 50 µg/m ³ | IDLH: 100 mg/m ³ TWA: 0.050 mg/m ³ | TWA: 0.05 mg/m ³ |

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

8.2 Exposure Controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection 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 and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection 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.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

| | |
|-----------------------------------------------|--------------------------------|
| Physical State | Solid |
| Appearance | Grey |
| Odor | Odorless |
| Odor Threshold | No information available |
| pH | No information available |
| Melting Point/Range | 327.5 °C / 621.5 °F |
| Boiling Point/Range | 1740 °C / 3164 °F @ 760 mmHg |
| Flash Point | No information available |
| Evaporation Rate | Not applicable |
| Flammability (solid,gas) | No information available |
| Flammability or explosive limits | |
| Upper | No data available |
| Lower | No data available |
| Vapor Pressure | 1.77 mmHg @ 1000 °C |
| Density | 11.3 g/cm ³ (20° C) |
| Specific Gravity | No information available |
| Solubility | Insoluble in water |
| Partition coefficient; n-octanol/water | No data available |
| Autoignition Temperature | No information available |
| Decomposition Temperature | No information available |
| Viscosity | Not applicable |
| Molecular Formula | Pb |
| Molecular Weight | 207.19 |

10. Stability and reactivity

10.1 Reactive Hazard None known, based on information available.

10.2 Stability Stable under normal conditions.

10.3 Possibility of Hazardous Flourine, nitrates, nitric acid, hydrogen peroxide, azides, picrates.

Reactions

10.4 Conditions to Avoid Exposure to air. Incompatible products.

10.5 Incompatible Materials Strong acids, Ammonium nitrate: fertilizers capable of self-sustaining decomposition, Peroxides.

10.6 Hazardous Decomposition Products Lead, lead oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Toxicologically Synergistic Products No information available

Products

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization May cause sensitization by skin contact

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component | CAS-No | IARC | NTP | ACGIH | OSHA | Mexico |
|-----------|-----------|----------|------------------------|-------|------|--------|
| Lead | 7439-92-1 | Group 2A | Reasonably Anticipated | A3 | X | A3 |

IARC (International Agency for Research on Cancer)

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

NTP: (National Toxicity Program)

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

Mexico - Occupational Exposure Limits - Carcinogens

ACGIH: (American Conference of Governmental Industrial Hygienists)

Mexico - Occupational Exposure Limits - Carcinogens

A1 - Confirmed Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Confirmed Animal Carcinogen

A4 - Not Classifiable as a Human Carcinogen

A5 - Not Suspected as a Human Carcinogen

Mutagenic Effects

No information available

Reproductive Effects

May cause harm to the unborn child. Possible risk of impaired fertility.

Developmental Effects

No information available.

Teratogenicity

No information available.

STOT - single exposure

None known

STOT - repeated exposure

Kidney, Central nervous system, (CNS) Blood

Aspiration hazard

No information available

Symptoms / effects, both acute and delayed

No information available

Endocrine Disruptor Information

No information available

Other Adverse Effects

The toxicological properties have not been fully investigated.

12. Ecological information

12.1 Toxicity

The product contains following substances which are hazardous for the environment. Contains a substance which is: Very toxic to aquatic organisms. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system.

| Component | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|-----------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------|
| Lead | Not listed | LC50: = 1.17 mg/L, 96h flow-through (Oncorhynchus mykiss) LC50: = 1.32 mg/L, 96h static (Oncorhynchus mykiss) LC50: = 0.44 mg/L, 96h semi-static (Cyprinus carpio) | Not listed | EC50: = 600 µg/L, 48h (water flea) |

12.2 Persistence and Degradability Insoluble in water May persist

12.3 Bioaccumulation/ Accumulation No information available.

12.4 Mobility in Soil Is not likely mobile in the environment due its low water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT UN 3077 Environmentally Hazardous Substance, N.O.S. (Lead), 9, III
ADR/RID UN 3077 Environmentally Hazardous Substance, N.O.S. (Lead), 9, III
IATA UN 3077 Environmentally Hazardous Substance, N.O.S. (Lead), 9, III
IMDG/IMO UN 3077 Environmentally Hazardous Substance, N.O.S. (Lead), 9, III, Marine Pollutant

15. Regulatory information

United States of America Inventory

| Component | CAS-No | TSCA | TSCA Inventory notification - Active/Inactive | TSCA - EPA Regulatory Flags |
|-----------|-----------|------|-----------------------------------------------|-----------------------------|
| Lead | 7439-92-1 | X | ACTIVE | - |

Legend:

TSCA - Toxic Substances Control Act, (40 CFR Part 710)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

| Component | CAS-No | DSL | NDL | EINECS | PICCS | ENCS | AICS | IECSC | KECL |
|-----------|-----------|-----|-----|-----------|-------|------|------|-------|----------|
| Lead | 7439-92-1 | X | - | 231-100-4 | X | X | X | X | KE-21887 |

U.S. Federal Regulations

SARA 313

| Component | CAS-No | Weight % | SARA 313 - Threshold Values % |
|-----------|-----------|----------|-------------------------------|
| Lead | 7439-92-1 | >95 | 0.1 |

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

| Component | CWA - Hazardous | CWA - Reportable | CWA - Toxic Pollutants | CWA - Priority Pollutants |
|-----------|-----------------|------------------|------------------------|---------------------------|
| | | | | |

| | Substances | Quantities | | |
|------|------------|------------|---|---|
| Lead | - | - | X | X |

Clean Air Act

OSHA - Occupational Safety and Health Administration Not applicable

| Component | Specifically Regulated Chemicals | Highly Hazardous Chemicals |
|-----------|---------------------------------------------------------------|----------------------------|
| Lead | 30 µg/m ³ Action Level 50 µg/m ³ TWA | - |

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|-----------|--------------------------|----------------|
| Lead | 10 lb | - |

California Proposition 65 This product contains the following Proposition 65 chemicals.

| Component | CAS-No | California Prop. 65 | Prop 65 NSRL | Category |
|-----------|-----------|-------------------------------------------------------------------------|--------------|-----------------------------|
| Lead | 7439-92-1 | Carcinogen Developmental Female Reproductive Male Reproductive | 15 µg/day | Developmental Carcinogen |

U.S. State Right-to-Know Regulations

| Component | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-----------|---------------|------------|--------------|----------|--------------|
| Lead | X | X | X | X | X |

U.S. Department of Transportation

Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

16. Other information

Prepared By MKT Fastening, LLC
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www.mktfastening.com

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Disclaimer

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