

Section 1: Identification			
<b>Common Name/Trade Name</b>	2,3 DIMERCAPTOSUCCINIC ACID		
<b>Supplier Information</b>	<table border="1"> <tr> <td>Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693</td> <td><b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)</td> </tr> </table>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)		
<b>Product Synonym(s)</b>	Succimerum Succimer		
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances		

Section 2: Hazards Identification									
<b>Classification of Substance or Mixture</b>	Skin corrosion/irritation (Category 2), Serious eye damage/eye irritation (Category 2A), STOT Single Exposure, Respiratory tract irritation (Category 3)								
<b>Signal Word</b>	Warning								
<b>Hazard Statement(s)</b>	<table border="1"> <tr> <td>H315</td> <td>Causes skin irritation</td> </tr> <tr> <td>H319</td> <td>Causes serious eye irritation</td> </tr> <tr> <td>H335</td> <td>May cause respiratory irritation</td> </tr> </table>	H315	Causes skin irritation	H319	Causes serious eye irritation	H335	May cause respiratory irritation		
H315	Causes skin irritation								
H319	Causes serious eye irritation								
H335	May cause respiratory irritation								
<b>Pictogram(s)</b>									
<b>Precautionary Statement(s)</b>	<table border="1"> <tr> <td>P261</td> <td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td> </tr> <tr> <td>P280</td> <td>Wear protective gloves/protective clothing/eye protection/face protection.</td> </tr> <tr> <td>P305+P351+P338</td> <td>IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.</td> </tr> <tr> <td>P405</td> <td>Store locked up.</td> </tr> </table>	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	P280	Wear protective gloves/protective clothing/eye protection/face protection.	P305+P351+P338	IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.	P405	Store locked up.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.								
P280	Wear protective gloves/protective clothing/eye protection/face protection.								
P305+P351+P338	IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.								
P405	Store locked up.								
<b>Hazards Not Otherwise Classified</b>	No data available								
<b>Ingredient(s) with Unknown Toxicity</b>	No data available								

Section 3: Composition/Information on Ingredients	
<b>Chemical Name</b>	2,3-Dimercaptosuccinic Acid(DMSA)
<b>Common Name</b>	2,3-Dimercaptosuccinic Acid(DMSA)
<b>CAS Number</b>	304-55-2
<b>Impurities and/or Stabilizing Additives</b>	No data available

Section 4: First Aid Measures	
<b>General Advice</b>	No further relevant information available.
<b>If Inhaled</b>	In case of unconsciousness place patient stably in side position for transportation.
<b>In Case of Skin Contact</b>	Immediately wash with water and soap and rinse thoroughly.
<b>In Case of Eye Contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>If Swallowed</b>	Rinse out mouth and then drink plenty of water.
<b>Most Important Symptoms and Effects</b>	No further relevant information available.

Section 5: Fire Fighting Measures	
<b>Suitable Extinguishing Media</b>	Suitable extinguishing agents: Water spray Carbon dioxide Fire-extinguishing powder Foam
<b>Special Hazards Arising From the Substance/Mixture</b>	No further relevant information available.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear fully protective suit.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
<b>Methods and Materials Used for Containment</b>	Ensure adequate ventilation.
<b>Cleanup Procedures</b>	No data available.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	No special precautions are necessary if used correctly.
<b>Conditions for Safe Storage</b>	protect from light, prevent moisture, keep in a cool and dry place. Protect from humidity and water. Store in dry conditions. Store in cool, dry conditions in well sealed receptacles

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	Not required.
<b>Appropriate Engineering Controls</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Avoid contact with the eyes and skin.
<b>PPE - Eye/Face Protection</b>	Tightly sealed goggles
<b>PPE - Skin Protection</b>	Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. $\hat{A}\hat{A}$ Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>PPE - Body Protection</b>	Protective work clothing
<b>PPE - Respiratory Protection</b>	Suitable respiratory protective device recommended. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Powder Color: White
<b>Upper/Lower Flammability or Explosive Limits</b>	Product is not flammable.
<b>Odor</b>	Recognizable
<b>Vapor Pressure</b>	Not applicable.
<b>Odor Threshold</b>	Not determined.
<b>Vapor Density</b>	Not determined.
<b>pH</b>	2.5-3.0
<b>Relative Density</b>	Not determined.
<b>Melting Point/Freezing Point</b>	190-194C (374-381.2F)
<b>Solubility</b>	Practically insoluble in water.
<b>Initial Boiling Point and Boiling Range</b>	Undetermined.
<b>Flash Point</b>	Not applicable.
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	Not determined.
<b>Auto-Ignition Temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
<b>Possibility of Hazardous Reactions</b>	Reacts with strong oxidizing agents
<b>Conditions to Avoid</b>	No further relevant information available.
<b>Incompatible Materials</b>	No further relevant information available.
<b>Hazardous Decomposition Products</b>	Carbon monoxide and carbon dioxide

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Oral LD50 >5011 mg/kg (mus)
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	No data available. Irritant to skin and mucous membranes.
<b>Acute Toxicity - Eye</b>	No data available. Irritating effect.
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	No data available. No sensitizing effects known.
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity IARC</b>	Substance is not listed.
<b>Carcinogenicity ACGIH</b>	No data available
<b>Carcinogenicity NTP</b>	Substance is not listed.
<b>Carcinogenicity OSHA</b>	Substance is not listed.
<b>Reproductive Toxicity</b>	No data available.
<b>Specific Target Organ Toxicity - Single Exposure</b>	No data available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No data available
<b>Aspiration Hazard</b>	No data available

## Section 12: Ecological Information

<b>Toxicity</b>	No further relevant information available.
<b>Persistence and Degradability</b>	No further relevant information available.
<b>Bio-accumulative Potential</b>	No further relevant information available.
<b>Mobility in Soil</b>	No further relevant information available.
<b>Other Adverse Effects</b>	No further relevant information available.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Must be specially treated adhering to official regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations. Recommended cleansing agent: Water, if necessary with cleansing agents.
<b>Waste Treatment Methods Packaging</b>	Must be specially treated adhering to official regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations. Recommended cleansing agent: Water, if necessary with cleansing agents.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods.
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

No further relevant information available. A Chemical Safety Assessment has not been carried out.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	02/06/2019 12:50

### Disclaimer

Letco Medical, LLC believes that the above information is correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.