


Section 1: Identification

Common Name/Trade Name	CIMETIDINE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	N-Cyano-N'-methyl-N"-[2[[[(5-methyl-1Himidazole-4-yl)methyl]thio]ethyl]guanidine	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Carcinogenicity (Category 2), Reproductive toxicity (Category 2)	
Signal Word	Warning	
Hazard Statement(s)	H351 H361	Suspected of causing cancer Suspected of damaging fertility or the unborn child
Pictogram(s)		
Precautionary Statement(s)	P201 P202 P280 P308+P313 P405 P501	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned Get medical advice/attention. Store locked up. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	N-Cyano-N'-methyl-N"-[2[[[(5-methyl-1Himidazole-4-yl)methyl]thio]ethyl]guanidine
Common Name	Cimetidine
CAS Number	51481-61-9
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	IF exposed or concerned: Get medical advice/attention. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
If Inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
In Case of Skin Contact	If skin irritation or rash occurs: Get medical advice/attention. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
In Case of Eye Contact	Rinse cautiously with water for several minutes. Get medical advice/attention if you feel unwell.
If Swallowed	Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.
Most Important Symptoms and Effects	Not expected to present a significant hazard under anticipated conditions of normal use. Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media : Water spray. Sand. Foam. Dry powder. Unsuitable extinguishing media : Do not use a heavy water stream.
Special Hazards Arising From the Substance/Mixture	Explosion may result if is dispersed and finds an ignition source. Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Nitrous gasses. Sulphur dioxide.
Special PPE and/or Precautions for Firefighters	Evacuate area. Fight fire remotely due to the risk of explosion. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance. Do not attempt to take action without suitable protective equipment.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Remove ignition sources. Collect spillage Only qualified personnel equipped with suitable protective equipment may intervene.
Methods and Materials Used for Containment	Notify authorities if product enters sewers or public waters. Avoid release to the environment. Collect spillage.
Cleanup Procedures	Notify authorities if product enters sewers or public waters. On land, sweep or shovel into suitable containers. Dispose of materials or solid residues at an authorized site.

Section 7: Handling and Storage

Precautions for Safe Handling	Provide adequate ventilation of the area to prevent the formation of explosive atmospheres. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take any precaution to avoid mixing with incompatible materials. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands thoroughly after handling. Provide adequate ventilation of the area to prevent the formation of explosive atmospheres. Provide adequate ventilation to minimize dust concentrations.
Conditions for Safe Storage	Store in a well-ventilated place. Keep container tightly closed. Incompatible products : Strong acids. Strong bases. Incompatible materials : Heat sources. Sources of ignition. Direct sunlight. Combustible materials. Storage area : Store in a dry place. Store in a well-ventilated place. Special rules on packaging : Keep only in original container. Store in a closed container.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No additional information available
Appropriate Engineering Controls	Ensure good ventilation of the work station. Provide adequate ventilation of the area to prevent the formation of explosive atmospheres. Avoid contact during pregnancy/while nursing.
PPE - Eye/Face Protection	Safety glasses
PPE - Skin Protection	Protective gloves (PVC)
PPE - Body Protection	Protective gloves (PVC)
PPE - Respiratory Protection	Face protection: P3

Section 9: Physical and Chemical Properties

Appearance	Solid.
Upper/Lower Flammability or Explosive Limits	No data available.
Odor	No data available.
Vapor Pressure	0,0000000011 mm Hg (25°C) #
Odor Threshold	No data available.
Vapor Density	Not available
pH	9 - 10,5
Relative Density	Not available
Melting Point/Freezing Point	139 - 144 °C
Solubility	Alcohol. Dichloromethane. Water.: >= 1 mg/l
Initial Boiling Point and Boiling Range	488 °C at 760 mmHg
Flash Point	No data available.
Evaporation Rate	No data available.
Flammability (Solid, Gas)	No data available.
Partition Coefficient	Log Pow : 0,879
Auto-Ignition Temperature	Minimum Ignition Temperature (cloud) : 490 °C Minimum Ignition Temperature (layer) : > 400 °C
Decomposition Temperature	Not available
Viscosity	No data available.

Section 10: Stability and Reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability	May intensify fire; oxidiser.
Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	Direct sunlight. Avoid dust formation.
Incompatible Materials	Strong acids. Oxidizing agent. Strong bases. Combustible materials.
Hazardous Decomposition Products	Carbon dioxide. Carbon monoxide. Nitrous gasses. Sulphur oxides.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - rat - 5,000 mg/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	Not classified pH: 9 - 10,5
Serious Eye Damage/Irritation	Not classified pH: 9 - 10,5
Respiratory or Skin Sensitization	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity IARC	Suspected of causing cancer.
Carcinogenicity ACGIH	Suspected of causing cancer.
Carcinogenicity NTP	Suspected of causing cancer.
Carcinogenicity OSHA	Suspected of causing cancer.
Reproductive Toxicity	Suspected of damaging fertility.
Specific Target Organ Toxicity - Single Exposure	Not classified.
Specific Target Organ Toxicity - Repeated Exposure	Not classified.
Aspiration Hazard	Not classified.

Section 12: Ecological Information

Toxicity	Not established. LC50 fish 1 1000 mg/l EC50 Daphnia 1 760 mg/l EC50 72h algae (1) 105 mg/l
Persistence and Degradability	Not established
Bio-accumulative Potential	Log Pow 0,879 Bioaccumulative potential Not established.
Mobility in Soil	Not established.
Other Adverse Effects	Not available. Avoid release to the environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste Treatment Methods Packaging	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Avoid release to the environment. Do not pierce or burn, even after use. Follow the instructions on handling and technical measures of paragraph 7. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	Avoid release to the environment

Section 14: Transport Information

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

Section 15: Regulatory Information

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006: 28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Carcinogen category 1A or 1B (Table 3.1) or Carcinogen category 1 or 2 (Table 3.2) and listed as follows: Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1 Carcinogen category 1B (Table 3.1)/Carcinogen category 2 (Table 3.2) listed in Appendix 2 30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Toxic to Reproduction category 1A or 1B (Table 3.1) or Toxic to Reproduction category 1 or 2 (Table 3.2) and listed as follows: Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 CIMETIDINE is not on the REACH Candidate List CIMETIDINE is not on the REACH Annex XIV List Drug Precursors : This product is not included in the lists of substances subject to diversion for illicit drug manufacture Chemical Weapons (Prohibition) Act : This product is not included in the lists of the Chemical Weapons Convention NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. NFPA fire hazard : 0 - Materials that will not burn. NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. Exempted from REACH registration

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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