



## Section 1: Identification

|                                   |                                                                                                            |                                                                         |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Common Name/Trade Name</b>     | AZATHIOPRINE USP                                                                                           |                                                                         |
| <b>Supplier Information</b>       | Letco Medical, LLC<br>1316 Commerce Drive NW<br>Decatur, AL 35601<br>1 (800) 239-5288<br>+1 (734) 843-4693 | <b>IN CASE OF EMERGENCY:</b><br>Chemtrec<br>1 (800) 424-9300 (24 hours) |
| <b>Product Synonym(s)</b>         | 6-(1-Methyl-4-nitroimidazol-5-yl)thiopurine                                                                |                                                                         |
| <b>Relevant Use(s) of Product</b> | Manufacture or Compounding of Substances                                                                   |                                                                         |

## Section 2: Hazards Identification

|                                               |                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Classification of Substance or Mixture</b> | Acute toxicity, Oral (Category 4), Skin irritation (Category 2), Eye irritation (Category 2A), Carcinogenicity (Category 1B), Specific target organ toxicity - single exposure (Category 3) Respiratory system |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Signal Word</b>                            | Danger                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Hazard Statement(s)</b>                    | H302<br>H315<br>H319<br>H335<br>H350                                                                                                                                                                           | Harmful if swallowed<br>Causes skin irritation<br>Causes serious eye irritation<br>May cause respiratory irritation<br>May cause cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Pictogram(s)</b>                           |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Precautionary Statement(s)</b>             | P201<br>P202<br>P261<br>P264<br>P270<br>P271<br>P280<br>P301+P312<br>P302+P352<br>P304+P340<br>P305+P351+P338<br>P308+P313<br>P330<br>P332+P313<br>P337+P313<br>P362<br>P403+P233<br>P405<br>P501              | Obtain special instructions before use.<br>Do not handle until all safety precautions have been read and understood.<br>Avoid breathing dust/fume/gas/mist/vapours/spray.<br>Wash hands thoroughly after handling.<br>Do not eat, drink or smoke when using this product.<br>Use only outdoors or in a well-ventilated area.<br>Wear protective gloves/protective clothing/eye protection/face protection.<br>IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell.<br>IF ON SKIN Wash with soap and water.<br>IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.<br>IF exposed or concerned Get medical advice/attention.<br>Rinse mouth.<br>If skin irritation occurs Get medical advice/attention.<br>If eye irritation persists Get medical advice/attention.<br>Take off contaminated clothing and wash before reuse.<br>Store in a well ventilated place. Keep container tightly closed.<br>Store locked up.<br>Dispose of contents/container to an approved waste disposal plant. |
| <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>                           | Azathioprine      |
| <b>Common Name</b>                             | Azathioprine      |
| <b>CAS Number</b>                              | 446-86-6          |
| <b>Impurities and/or Stabilizing Additives</b> | No data available |

## Section 4: First Aid Measures

|                                            |                                                                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>                      | Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.                                            |
| <b>If Inhaled</b>                          | If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.                                        |
| <b>In Case of Skin Contact</b>             | Wash off with soap and plenty of water. Consult a physician.                                                                                         |
| <b>In Case of Eye Contact</b>              | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.                                                               |
| <b>If Swallowed</b>                        | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.                                                  |
| <b>Most Important Symptoms and Effects</b> | Nausea, Headache, Vomiting, Gastrointestinal disturbance, Dermatitis, Fever, Alopecia., Shock. Stomach - Irregularities<br>- Based on Human Evidence |

## Section 5: Fire Fighting Measures

|                                                           |                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>                       | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| <b>Special Hazards Arising From the Substance/Mixture</b> | Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.                    |
| <b>Special PPE and/or Precautions for Firefighters</b>    | Wear self contained breathing apparatus for fire fighting if necessary.  |

## Section 6: Accidental Release Measures

|                                                                            |                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions, Protective Equipment and Emergency Procedures</b> | Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.                               |
| <b>Methods and Materials Used for Containment</b>                          | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.                                                                                        |
| <b>Cleanup Procedures</b>                                                  | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |

## Section 7: Handling and Storage

|                                      |                                                                                                                                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for Safe Handling</b> | Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. |
| <b>Conditions for Safe Storage</b>   | Keep container tightly closed in a dry and well-ventilated place. Light sensitive.                                                              |

## Section 8: Exposure Controls/Personal Protection

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components with Workplace Control Parameters</b> | Contains no substances with occupational exposure limit values.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Appropriate Engineering Controls</b>             | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>PPE - Eye/Face Protection</b>                    | Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).                                                                                                                                                                                                                                                                                                                           |
| <b>PPE - Skin Protection</b>                        | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.                                                                                                                                                                                                |
| <b>PPE - Body Protection</b>                        | Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. |
| <b>PPE - Respiratory Protection</b>                 | Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100(US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).                                                                                 |

## Section 9: Physical and Chemical Properties

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| <b>Appearance</b>                                   | Form: Solid       |
| <b>Upper/Lower Flammability or Explosive Limits</b> | No data available |
| <b>Odor</b>                                         | No data available |
| <b>Vapor Pressure</b>                               | No data available |
| <b>Odor Threshold</b>                               | No data available |
| <b>Vapor Density</b>                                | No data available |
| <b>pH</b>                                           | No data available |
| <b>Relative Density</b>                             | No data available |
| <b>Melting Point/Freezing Point</b>                 | No data available |
| <b>Solubility</b>                                   | No data available |
| <b>Initial Boiling Point and Boiling Range</b>      | No data available |
| <b>Flash Point</b>                                  | No data available |
| <b>Evaporation Rate</b>                             | No data available |
| <b>Flammability (Solid, Gas)</b>                    | No data available |
| <b>Partition Coefficient</b>                        | No data available |
| <b>Auto-Ignition Temperature</b>                    | No data available |
| <b>Decomposition Temperature</b>                    | No data available |
| <b>Viscosity</b>                                    | No data available |

## Section 10: Stability and Reactivity

|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| <b>Reactivity</b>                         | No data available                                |
| <b>Chemical Stability</b>                 | Stable under recommended conditions.             |
| <b>Possibility of Hazardous Reactions</b> | No data available                                |
| <b>Conditions to Avoid</b>                | Light                                            |
| <b>Incompatible Materials</b>             | Strong oxidizing agents.                         |
| <b>Hazardous Decomposition Products</b>   | Other decomposition products - no data available |

## Section 11: Toxicological Information

|                                                           |                                                                                                                                              |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute Toxicity - LD50 Oral</b>                         | LD50 Oral - rat - 400 mg/kg                                                                                                                  |
| <b>Acute Toxicity - Inhalation</b>                        | No data available                                                                                                                            |
| <b>Acute Toxicity - Dermal</b>                            | No data available                                                                                                                            |
| <b>Acute Toxicity - Eye</b>                               | No data available                                                                                                                            |
| <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                                                                                                                            |
| <b>Germ Cell Mutagenicity</b>                             | Laboratory experiments have shown mutagenic effects.                                                                                         |
| <b>Carcinogenicity IARC</b>                               | 1 - Group 1: Carcinogenic to humans (Azathioprine)                                                                                           |
| <b>Carcinogenicity ACGIH</b>                              | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| <b>Carcinogenicity NTP</b>                                | Known to be human carcinogen (Azathioprine)                                                                                                  |
| <b>Carcinogenicity OSHA</b>                               | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  |
| <b>Reproductive Toxicity</b>                              | Laboratory experiments have shown teratogenic effects.                                                                                       |
| <b>Specific Target Organ Toxicity - Single Exposure</b>   | Inhalation- May cause respiratory irritation.                                                                                                |
| <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 data available |
| <b>Persistence and Degradability</b> | No data available |
| <b>Bio-accumulative Potential</b>    | No data available |
| <b>Mobility in Soil</b>              | No data available |
| <b>Other Adverse Effects</b>         | No data available |

## Section 13: Disposal Considerations

|                                                      |                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Treatment Methods Product</b>               | Offer surplus and non recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. |
| <b>Waste Treatment Methods Packaging</b>             | Dispose of as unused product.                                                                                                                                                                                                                                                                        |
| <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

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard. Massachusetts Right To Know Components: Azathioprine CAS No. 446-86-6 Revision Date 1993-04-24. Pennsylvania Right To Know Components: Azathioprine CAS No. 446-86-6 Revision Date 1993-04-24. New Jersey Right To Know Components: Azathioprine CAS No. 446-86-6 Revision Date 1993-04-24. California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause cancer. Azathioprine CAS No. 446-86-6 Revision Date 1992-11-09. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Azathioprine CAS No. 446-86-6 Revision Date 1992-11-09.

## Section 16: Other Information

|                               |                  |
|-------------------------------|------------------|
| <b>Additional Information</b> |                  |
| <b>Prepared By</b>            | Lisa Russell     |
| <b>Revision Date</b>          | 01/15/2019 14:53 |

### Disclaimer

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