

| Section 1: Identification  |  |  |   |
|--|--|--|---|
| <b>Common Name/Trade Name</b>  | METHADONE HCL USP  |  |   |
| <b>Supplier Information</b>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">                     Letco Medical, LLC<br/>                     1316 Commerce Drive NW<br/>                     Decatur, AL 35601<br/>                     1 (800) 239-5288<br/>                     +1 (734) 843-4693                 </td> <td style="width: 40%; vertical-align: top;"> <b>IN CASE OF EMERGENCY:</b><br/>                     Chemtrec<br/>                     1 (800) 424-9300 (24 hours)                 </td> </tr> </table> | 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) |
| 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>  | 3-Heptanone, 6-(dimethylamino)-4,4-diphenyl-, hydrochloride  |  |   |
| <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 2), Acute toxicity, dermal (Category 4), Acute toxicity, inhalation (Category 4), Sensitization, respiratory (Category 1), Sensitization, Skin (Category 1), Germ cell mutagenicity (Category 2), Reproductive toxicity (Category 2), Specific target organ toxicity, single exposure (Category 3 narcotic effects)   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| <b>Signal Word</b>                            | Danger   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| <b>Hazard Statement(s)</b>                    | <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">H300</td> <td>Fatal if swallowed</td> </tr> <tr> <td>H312</td> <td>Harmful in contact with skin</td> </tr> <tr> <td>H317</td> <td>May cause an allergic skin reaction</td> </tr> <tr> <td>H332</td> <td>Harmful if inhaled</td> </tr> <tr> <td>H334</td> <td>May cause allergy or asthma symptoms or breathing difficulties if inhaled</td> </tr> <tr> <td>H336</td> <td>May cause drowsiness or dizziness</td> </tr> <tr> <td>H341</td> <td>Suspected of causing genetic defects</td> </tr> <tr> <td>H361</td> <td>Suspected of damaging fertility or the unborn child</td> </tr> </table>   | H300 | Fatal if swallowed                      | H312 | Harmful in contact with skin  | H317 | May cause an allergic skin reaction               | H332 | Harmful if inhaled                    | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled | H336 | May cause drowsiness or dizziness               | H341 | Suspected of causing genetic defects                                   | H361 | Suspected of damaging fertility or the unborn child                        |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H300  | Fatal if swallowed   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H312  | Harmful in contact with skin   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H317  | May cause an allergic skin reaction  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H332  | Harmful if inhaled   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H334  | May cause allergy or asthma symptoms or breathing difficulties if inhaled  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H336  | May cause drowsiness or dizziness  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H341  | Suspected of causing genetic defects   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| H361  | Suspected of damaging fertility or the unborn child  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| <b>Pictogram(s)</b>                           |    |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| <b>Precautionary Statement(s)</b>             | <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">P201</td> <td>Obtain special instructions before use.</td> </tr> <tr> <td>P202</td> <td>Do not handle until all safety precautions have been read and understood.</td> </tr> <tr> <td>P261</td> <td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td> </tr> <tr> <td>P264</td> <td>Wash hands thoroughly after handling.</td> </tr> <tr> <td>P270</td> <td>Do not eat, drink or smoke when using this product.</td> </tr> <tr> <td>P271</td> <td>Use only outdoors or in a well-ventilated area.</td> </tr> <tr> <td>P272</td> <td>Contaminated work clothing should not be allowed out of the workplace.</td> </tr> <tr> <td>P280</td> <td>Wear protective gloves/protective clothing/eye protection/face protection.</td> </tr> <tr> <td>P285</td> <td>In case of inadequate ventilation wear respiratory protection.</td> </tr> <tr> <td>P301+P310</td> <td>IF SWALLOWED Immediately call a POISON CENTER or doctor/physician.</td> </tr> <tr> <td>P302+P352</td> <td>IF ON SKIN Wash with soap and water.</td> </tr> <tr> <td>P304+P340</td> <td>IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.</td> </tr> <tr> <td>P308+P313</td> <td>IF exposed or concerned Get medical advice/attention.</td> </tr> <tr> <td>P312</td> <td>Call a POISON CENTER or doctor/physician if you feel unwell.</td> </tr> <tr> <td>P330</td> <td>Rinse mouth.</td> </tr> <tr> <td>P333+P313</td> <td>If skin irritation or a rash occurs Get medical advice/attention.</td> </tr> <tr> <td>P362</td> <td>Take off contaminated clothing and wash before reuse.</td> </tr> <tr> <td>P403+P233</td> <td>Store in a well ventilated place. Keep container tightly closed.</td> </tr> <tr> <td>P405</td> <td>Store locked up.</td> </tr> <tr> <td>P501</td> <td>Dispose of contents/container to an approved waste disposal plant.</td> </tr> </table> | P201 | Obtain special instructions before use. | P202 | Do not handle until all safety precautions have been read and understood. | P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. | P264 | Wash hands thoroughly after handling. | P270 | Do not eat, drink or smoke when using this product.                       | P271 | Use only outdoors or in a well-ventilated area. | P272 | Contaminated work clothing should not be allowed out of the workplace. | P280 | Wear protective gloves/protective clothing/eye protection/face protection. | P285 | In case of inadequate ventilation wear respiratory protection. | P301+P310 | IF SWALLOWED Immediately call a POISON CENTER or doctor/physician. | P302+P352 | IF ON SKIN Wash with soap and water. | P304+P340 | IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. | P308+P313 | IF exposed or concerned Get medical advice/attention. | P312 | Call a POISON CENTER or doctor/physician if you feel unwell. | P330 | Rinse mouth. | P333+P313 | If skin irritation or a rash occurs Get medical advice/attention. | P362 | Take off contaminated clothing and wash before reuse. | P403+P233 | Store in a well ventilated place. Keep container tightly closed. | P405 | Store locked up. | P501 | Dispose of contents/container to an approved waste disposal plant. |
| P201  | Obtain special instructions before use.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P202  | Do not handle until all safety precautions have been read and understood.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P261  | Avoid breathing dust/fume/gas/mist/vapours/spray.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P264  | Wash hands thoroughly after handling.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P270  | Do not eat, drink or smoke when using this product.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P271  | Use only outdoors or in a well-ventilated area.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P272  | Contaminated work clothing should not be allowed out of the workplace.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P280  | Wear protective gloves/protective clothing/eye protection/face protection.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P285  | In case of inadequate ventilation wear respiratory protection.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P301+P310                                     | IF SWALLOWED Immediately call a POISON CENTER or doctor/physician.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P302+P352                                     | IF ON SKIN Wash with soap and water.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P304+P340                                     | IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P308+P313                                     | IF exposed or concerned Get medical advice/attention.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P312  | Call a POISON CENTER or doctor/physician if you feel unwell.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P330  | Rinse mouth.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P333+P313                                     | If skin irritation or a rash occurs Get medical advice/attention.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P362  | Take off contaminated clothing and wash before reuse.  |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P403+P233                                     | Store in a well ventilated place. Keep container tightly closed.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P405  | Store locked up.   |      |   |      |   |      |   |      |                                       |      |   |      |   |      |  |      |  |      |  |           |  |           |                                      |           |   |           |   |      |  |      |              |           |   |      |   |           |  |      |                  |      |  |
| P501  | 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>                              | Methadone Hydrochloride  |
| <b>Common Name</b>                                | 3- Heptanone, 6- (dimethylamino) - 4, 4- diphenyl- , hydrochloride Methadone Hydrochloride |
| <b>CAS Number</b>                                 | 1095-90-5  |
| <b>Impurities and/or Stabilizing Additives</b>    | No data available  |

## Section 4: First Aid Measures

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| <b>General Advice</b>                      | In case of shortness of breath, give oxygen. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep victim warm. Wash contaminated clothing before reuse. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.   |
| <b>If Inhaled</b>                          | If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediately call a POISON CENTER or doctor/physician.  |
| <b>In Case of Skin Contact</b>             | Immediately flush skin with plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: Get medical advice/attention. Remove and isolate contaminated clothing and shoes. Wash contaminated clothing before reuse.   |
| <b>In Case of Eye Contact</b>              | Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention immediately.  |
| <b>If Swallowed</b>                        | If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.  |
| <b>Most Important Symptoms and Effects</b> | Narcotic effect. Exposure may cause sedation, pinpoint pupils, mood alterations, nausea, vomiting, constipation, respiratory depression; also tolerance, dependence and withdrawal. May lead to habituation or addiction. Chronic exposure may lead to tolerance, dependence, and unpleasant withdrawal symptoms upon abrupt discontinuation of use (e.g., sweating, restlessness, irritability, hallucinations). May cause allergic respiratory reaction. May cause an allergic skin reaction. Dermatitis. Rash. Most important symptoms/effects, acute and delayed Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. Indication of immediate medical attention and special treatment needed |

## Section 5: Fire Fighting Measures

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| <b>Suitable Extinguishing Media</b>                       | Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).  |
| <b>Special Hazards Arising From the Substance/Mixture</b> | During fire, gases hazardous to health may be formed.  |
| <b>Special PPE and/or Precautions for Firefighters</b>    | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do so without risk. In case of fire and/or explosion do not breathe fumes. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. |

## Section 6: Accidental Release Measures

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| <b>Personal Precautions, Protective Equipment and Emergency Procedures</b> | Ensure adequate ventilation. Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Avoid contact with spilled material. For personal protection, see section 8 of the SDS.   |
| <b>Methods and Materials Used for Containment</b>                          | Stop the flow of material, if this is without risk. Collect spillage. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid dust formation. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. Do not flush to sewer. Prevent entry into waterways, sewer, basements or confined areas. All clean-up operations should be witnessed by more than one individual. The amount of material collected should be assessed and documented. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use only non-sparking tools. For waste disposal, see section 13 of the SDS. |
| <b>Cleanup Procedures</b>  | Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.  |

## Section 7: Handling and Storage

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| <b>Precautions for Safe Handling</b> | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices. |
| <b>Conditions for Safe Storage</b>   | Store locked up. Store in a cool, dry place. Store in original tightly closed container. Store in a well-ventilated place. Guard against dust accumulation of this material. Keep away from heat and sources of ignition. Store away from incompatible materials (see Section 10 of the SDS). CONTROLLED SUBSTANCE: Location of storage area must comply with all Drug Enforcement Agency or competent authority regulations.   |

## Section 8: Exposure Controls/Personal Protection

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| <b>Components with Workplace Control Parameters</b> | METHADONE OEB 2 OEB HYDROCHLORIDE (CAS 1095-90-5) STEL 100 Hg/m <sup>3</sup> TWA 20 Hg/m <sup>3</sup> . No biological exposure limits noted for the ingredient.  |
| <b>Appropriate Engineering Controls</b>             | Explosion-proof general and local exhaust ventilation. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Do not breathe dust. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| <b>PPE - Eye/Face Protection</b>                    | Chemical goggles are recommended. Provide eyewash station and safety shower.   |
| <b>PPE - Skin Protection</b>                        | Chemical resistant gloves. Wear appropriate gloves; lab coat, nylon coveralls or disposable Tyvek suit; safety glasses, safety shoes, and disposable booties.  |
| <b>PPE - Body Protection</b>                        | Chemical resistant gloves. Wear appropriate gloves; lab coat, nylon coveralls or disposable Tyvek suit; safety glasses, safety shoes, and disposable booties.  |
| <b>PPE - Respiratory Protection</b>                 | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Thermal hazards Wear appropriate thermal protective clothing, when necessary.  |

## Section 9: Physical and Chemical Properties

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| <b>Appearance</b>                                   | Form: Powder Color: White. Physical State: Solid. |
| <b>Upper/Lower Flammability or Explosive Limits</b> | No data available                                 |
| <b>Odor</b>   | Odorless  |
| <b>Vapor Pressure</b>                               | < 0.0000001 kPa at 25 °C                          |
| <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>                 | Melting point/range: 455 °F (235°C)               |
| <b>Solubility</b>                                   | Water-Slight                                      |
| <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

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|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.        |
| <b>Chemical Stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of Hazardous Reactions</b> | No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur. |
| <b>Conditions to Avoid</b>                | Heat, flames and sparks. Contact with incompatible materials.  |
| <b>Incompatible Materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous Decomposition Products</b>   | Carbon monoxide. Carbon dioxide. Nitrogen oxides (NO <sub>x</sub> ).                                 |

## Section 11: Toxicological Information

|   |   |
|---|---|
| <b>Acute Toxicity - LD50 Oral</b>                         | Oral Acute LD50 Mouse 70 mg/kg Rat 86 mg/kg   |
| <b>Acute Toxicity - Inhalation</b>                        | Harmful if inhaled. Prolonged inhalation may be harmful. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitization by inhalation. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Narcotic effect. May cause typical symptoms of narcosis (see Ingestion.) Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Inhalation of powder/dust may cause lung edema. |
| <b>Acute Toxicity - Dermal</b>                            | Harmful in contact with skin. May cause an allergic skin reaction. May produce narcotic effects if absorbed through skin. Symptoms may parallel ingestion.  |
| <b>Acute Toxicity - Eye</b>                               | Dust or powder may irritate eye tissue. May have a strong narcotic effect (pupil constriction) and the eye may serve as an absorption route into the body.  |
| <b>Skin Corrosion/Irritation</b>                          | Due to lack of data the classification is not possible.   |
| <b>Serious Eye Damage/Irritation</b>                      | Dust in the eyes will cause irritation.   |
| <b>Respiratory or Skin Sensitization</b>                  | May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
| <b>Germ Cell Mutagenicity</b>                             | Suspected of causing genetic defects.   |
| <b>Carcinogenicity IARC</b>                               | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.   |
| <b>Carcinogenicity ACGIH</b>                              | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.   |
| <b>Carcinogenicity NTP</b>                                | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.   |
| <b>Carcinogenicity OSHA</b>                               | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.   |
| <b>Reproductive Toxicity</b>                              | Suspected of damaging fertility or the unborn child. May cause harm to breastfed babies.  |
| <b>Specific Target Organ Toxicity - Single Exposure</b>   | May cause drowsiness or dizziness. Narcotic effects.  |
| <b>Specific Target Organ Toxicity - Repeated Exposure</b> | Due to lack of data the classification is not possible.   |
| <b>Aspiration Hazard</b>                                  | Due to lack of data the classification is not possible.   |

## Section 12: Ecological Information

|                                      |   |
|--------------------------------------|---|
| <b>Toxicity</b>                      | This product has no known eco-toxicological effects.  |
| <b>Persistence and Degradability</b> | No data is available on the degradability of this product.                                      |
| <b>Bio-accumulative Potential</b>    | No data available   |
| <b>Mobility in Soil</b>              | No data available   |
| <b>Other Adverse Effects</b>         | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |

## Section 13: Disposal Considerations

|  |   |
|--|---|
| <b>Waste Treatment Methods Product</b>               | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. Notify site Controlled Substances Compliance officer and local DEA office or competent authority for appropriate disposal procedures. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Waste Treatment Methods Packaging</b>             | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Avoid discharge into water courses or onto the ground. Waste from residues / unused products Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Contaminated packaging                             |
| <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>                  | 2811  |
| <b>UN Proper Shipping Name</b>    | Toxic solids, organic, n.o.s. (3-Heptanone, 6-(dimethylamino)-4,4-diphenyl-, hydrochloride) |
| <b>Transport Hazard Class(es)</b> | 6.1   |
| <b>Packaging Group</b>            | II  |
| <b>Environmental Hazards</b>      | Marine Pollutant: No  |

## Section 15: Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA exempt status. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. CERCLA (Superfund) reportable quantity None Superfund Amendments and Reauthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Hazard categories SARA 302 Extremely hazardous substance Not listed. SARA 311/312 Hazardous Yes chemical Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act Not regulated. (SDWA). Drug Enforcement Schedule II - 9250 Administration (DEA) (21 CFR 1308.11-15) This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. US state regulations US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed. US. Massachusetts RTK - Substance List Not regulated. US. New Jersey Worker and Community Right-to-Know Act Not listed. US. Pennsylvania Worker and Community Right-to-Know Law Not listed. US. Rhode Island RTK Not regulated. US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. International Inventories Country(s) or region Inventory name On inventory (yes/no)\* Australia Australian Inventory of Chemical Substances (AICS) Yes Canada Domestic Substances List (DSL) No Canada Non-Domestic Substances List (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) No Europe European Inventory of Existing Commercial Chemical Substances (EINECS) Europe European List of Notified Chemical Substances (ELINCS) No Japan Inventory of Existing and New Chemical Substances (ENCS) No Korea Existing Chemicals List (ECL) No New Zealand New Zealand Inventory Yes Philippines Philippine Inventory of Chemicals and Chemical Substances No (PICCS) United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory No \*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## Section 16: Other Information

|                               |                  |
|-------------------------------|------------------|
| <b>Additional Information</b> | N/A              |
| <b>Prepared By</b>            | Lisa Russell     |
| <b>Revision Date</b>          | 01/11/2019 09:37 |

### Disclaimer

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