

## Material Safety Data Sheet Tire Dressing

### Section 1. Chemical Product and Company Identification

|                                    |   |                            |
|------------------------------------|---|----------------------------|
| <b>Product Name</b>                | Tire Dressing   |                            |
| <b>Product Number</b>              | NTN TD  |                            |
| <b>Manufacturer/<br/>Supplier</b>  | NuTech Specialties, Inc.<br>9811 So. 6150 W.<br>West Jordan, UT 84088 |                            |
| <b>Phone Number</b>                | (801) 253-1000 (Mon-Fri/ 8am- 5pm MT)                                 |                            |
| <b>D.O.T. Emergency<br/>Phone:</b> | <b>1-800-633-8253</b>   |                            |
| <b>Date of<br/>Preparation</b>     | September 25, 2012  | <b>Revision Number</b> 1.0 |

### Section 2. Hazards Identification

|   |   |
|---|---|
| <b>Emergency overview</b>   | <b>Hexane is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. EXTREMELY FLAMMABLE LIQUID AND VAPOR.</b> Vapors may cause flash fire. May affect the central nervous system causing dizziness, headache or nausea. Prolonged or repeated contact may dry the skin and cause irritation and burns.                                    |
| <b>DANGER!</b>  |   |
| Keep out of reach of children.<br>Keep container closed during storage. For institutional and commercial use. |   |
| <b>Potential Acute Health<br/>Effects</b>   | Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation.  |
| <b>Routes of Entry</b>  | Skin Contact. Eye contact. Ingestion.   |
| <b>Eyes</b>   | Not expected to be a primary eye irritant. However minor irritation may be noted following contact  |
| <b>Skin</b>   | Prolonged or repeated contact may cause skin irritation or may cause the skin to become cracked or dry from the de-fating action of the material. Slightly hazardous in case of skin contact (irritant). Non corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.   |
| <b>Inhalation</b>   | Breathing the vapors that concentrations above the exposure standards can cause central nervous system depression   |
| <b>Ingestion</b>  | Slightly hazardous in case of ingested.   |
| <b>Medical conditions<br/>aggravated by<br/>exposure:</b>   | Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:., Upper respiratory tract, skin, lung (for example, asthma-like conditions), Central nervous system, nervous system, male reproductive system.   |
| <b>Potential Chronic Health</b>   | There is no known effect from chronic exposure to this product.   |
| <b>Carcinogenic Effects</b>   | Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  |
| <b>Target Organs</b>  | Prolonged and repeated exposure to n-hexane may cause peripheral neuropathy by damaging peripheral nerve tissue (that of the arms and legs) and result in muscular weakness and loss of sensation. Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the |

kidney effects are not expected to occur on humans. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, nasal damage, nervous system damage, testis damage, lung damage. Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: visual impairment, central nervous system effects.

**Environmental Effects** N/A

**Section 3. Composition and Information on Ingredients**

| Name            | CAS #      | % by Weight | Exposure Limits | LC <sub>50</sub> /LD <sub>50</sub> |
|-----------------|------------|-------------|-----------------|------------------------------------|
| Mineral Spirits | 64742-88-7 | >10%        |                 |                                    |
| Hexane          | 64742-49-0 | >80%        |                 |                                    |
| Silicone Oil    |            | Prop        |                 |                                    |

**Section 4. First Aid Measures**

|                           |  |
|---------------------------|--|
| <b>Eye Contact</b>        | In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. If irritation persists see physician   |
| <b>Skin Contact</b>       | Wash with soap and water. Cover the irritated skin with an emollient. Launder contaminated clothing. Get medical attention if irritation develops.   |
| <b>Inhalation</b>         | If inhaled, and there are signs and symptoms, as described in this bulletin, due to breathing this material, remove the person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention IMMEDIATELY. |
| <b>Ingestion</b>          | Have conscious person drink several glasses of water or milk. No effect should occur. Seek medical attention.  |
| <b>General Advice</b>     | In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).  |
| <b>Notes to Physician</b> | Not available  |

**Section 5. Fire Fighting Measures**

|   |   |
|---|---|
| <b>Flammability</b>                         | Extremely flammable   |
| <b>Fire Fighting Media and instructions</b> | Carbon Dioxide, Dry Chemical, Foam or Water   |
| <b>Products of Combustion</b>               | Carbon Dioxide, Carbon Monoxide, Smoke fumes, Unburned Hydrocarbons   |
| <b>Special Remarks on Fire Hazards</b>      | For fires involving this material, DO NOT enter any enclosed or confined space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen difficulty.   |
| <b>Special Remarks on Explosion Hazards</b> | Liquid evaporates and forms vapors which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid if temperature rises above 85 F. Not available. |
| <b>Sensitivity to Mechanical Impact</b>     | Not available   |
| <b>Sensitivity to</b>                       | Not available   |

Static  
Discharge

Protection of Fire Fighters See special remarks on Fire Hazards

### Section 6. Accidental Release Measures

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.  |
| <b>Methods for Containment</b>   | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. |
| <b>Environmental Precautions</b> | Place contaminated materials in disposable containers and bury in an approved dumping area.  |
| <b>Methods for Clean Up</b>      | Precautions if material is spilled or released: Eliminate all open flames in vicinity of spill or released vapor.  |

### Section 7. Handling and Storage

|                        |   |
|------------------------|---|
| <b>Precautions</b>     | Do not store near flame, Sparks or hot surfaces use only in well ventilated area. Keep container closed. Replace cap or bung. Do not use pressure to empty drum or explosion may result. After handling, always wash hands thoroughly with soap and water. DO NOT use pressure to empty drum or explosion may result. |
| <b>Incompatibility</b> | No incompatible product according to our data base  |
| <b>Storage</b>         | Keep out of the reach of children. Keep away from ignition source.  |

Keep out of reach of children.  
Keep container closed during storage.

### Section 8. Exposure Controls/Personal Protection

#### Engineering Controls

|  |   |
|--|---|
| <b>Personal Protection</b>                     | Good general ventilation should be sufficient to control airborne levels.   |
| <b>Ventilation Requirements</b>                | Use adequate ventilation to keep the airborne concentrations below the exposure   |
| <b>Eyes</b>                                    | Safety goggles.   |
| <b>Body</b>                                    | Lab Coat if desired.  |
| <b>Respiratory</b>                             | Approved organic vapor cartridge respirator or, air supply respirator unless ventilation equipment is adequate to keep airborne concentrations. |
| <b>Hands</b>                                   | Rubber gloves   |
| <b>Other Protective Clothing and Equipment</b> | Eye wash and Safety shower  |
| <b>Protective Clothing (Pictograms)</b>        |   |



**Exposure Limits**

See Section 2 For Applicable Exposure Limits.

**Section 9. Physical and Chemical Properties**

|   |  |
|---|--|
| <b>Physical State and Appearance</b>                  | Clear Liquid   |
| <b>Molecular Weight</b>                               | N/A  |
| <b>Ph</b>   | 6.0-7.0  |
| <b>Boiling/Condensation Point</b>                     | 155 F  |
| <b>Melting/Freezing Point</b>                         | 137 F  |
| <b>Critical Temperature</b>                           | N/A  |
| <b>Instability Temperature</b>                        | N/A  |
| <b>Specific Gravity</b>                               | (H2O = 1): 0.77  |
| <b>Vapor Pressure</b>                                 | (Non-Aerosols)(mm Hg and Temperature): 20.397 kPa @ 77 F / 20 C  |
| <b>Vapor Density</b>                                  | (Air = 1)  |
| <b>Volatility</b>                                     | N/A  |
| <b>VOC</b>  | N/A  |
| <b>Evaporation Rate</b>                               | (H2O = 1)  |
| <b>Dispersion Properties</b>                          | N/A  |
| <b>Solubility</b>                                     | Insoluble in water   |
| <b>The Product is:</b>                                | Flammable Liquid   |
| <b>Auto-ignition Temperature</b>                      | N/A  |
| <b>Flash Points</b>                                   | 0 F (TCC)  |
| <b>Flammable Limits</b>                               | N/A  |
| <b>Fire Hazards in Presence Of Various Substances</b> | Liquid Evaporates and forms vapors which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid if temperature rises above 85 F. |
| <b>Explosion Hazards in Presence of Various</b>       | Liquid Evaporates and forms vapors which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights,  |

|                   |  |
|-------------------|--|
| <b>Substances</b> | welding equipment, and electrical motors and switches. Fire hazard is greater as liquid if temperature rises above 85 F. |
| <b>Odor</b>       | Mulberry Scent   |
| <b>Color</b>      | Clear  |

### Section 10. Stability and Reactivity Data

|   |  |
|---|--|
| <b>Stability</b>                              | The product is stable.   |
| <b>Incompatibility with Various Substance</b> | May react with strong oxidizing  |
| <b>Hazardous Decomposition Products</b>       | Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide. |

### Section 11. Toxicological Information

|   |  |
|---|--|
| <b>Routes of Entry</b>                              | Absorbed through skin. Eye contact. Inhalation. Ingestion.   |
| <b>Toxicity to Animals</b>                          | Oral LD50 Rat 25g / Kg   |
| <b>Acute Effects on Humans</b>                      |  |
| <b>Eyes</b>   | Not expected to be a primary eye irritant. However minor irritation may be noted following contact   |
| <b>Skin</b>   | Prolonged or repeated contact may cause skin irritation or may cause the skin to become cracked or dry from the de-fatting action of the material. Slightly hazardous in case of skin contact (irritant). Non corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. |
| <b>Inhalation</b>                                   | Breathing the vapors that concentrations above the exposure standards can cause central nervous system depression  |
| <b>Ingestion</b>                                    | Slightly hazardous in case of ingested.  |
| <b>Chronic Effects on Humans</b>                    | There is no known effect from chronic exposure to this product.  |
| <b>Special Remarks on Toxicity to Animals</b>       | Not available  |
| <b>Special Remarks on Chronic Effects on Humans</b> | Not available  |

### Section 12. Ecological Information

|   |   |
|---|---|
| <b>Ecotoxicity</b>                                | Not a marine pollutant  |
| <b>BOD5 and COD</b>                               | Not available   |
| <b>Products of Biodegradation</b>                 | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| <b>Toxicity of the Products of Biodegradation</b> | Not available   |
| <b>Special Remarks on the</b>                     | Not available   |

**Products of Biodegradation**

**Section 13. Disposal Considerations**

|                          |  |
|--------------------------|--|
| <b>Waste Information</b> | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |
| <b>Waste Stream</b>      | Not available  |

**Section 14. Transport Information**

**DOT (U.S.A.) (Pictograms)**



|   |   |
|---|---|
| <b>TDG Classification</b>               | Not controlled under TDG (Canada)                                       |
| <b>PIN UN, Proper Shipping Name, PG</b> | ( UN 1268 Petroleum distillates, NOS, 3, UN1268, PGII Flammable Liquid) |
| <b>Maritime Transportation</b>          | Not a “marine pollutant”  |
| <b>Special Provisions for Transport</b> | Not available   |

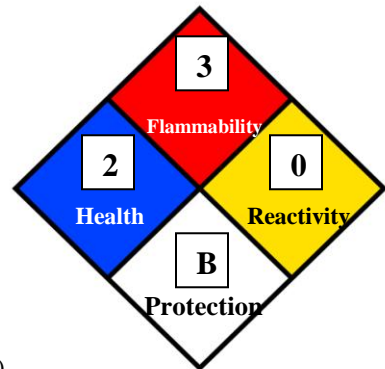
**Section 15. Regulatory Information and Pictograms**

|                              |  |  |
|------------------------------|--|--|
| <b>Regulatory Lists</b>      | No products were found.                |  |
| <b>Other Regulations</b>     | Not available, or of its ingredients   |  |
| <b>Other Classifications</b> | <b>HCS (U.S.A.)</b>                    | Controlled under HCS (United States)   |
|                              | <b>USA Regulatory Lists</b>            | This product does contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65<br>SARA 302 Extremely Hazardous Substances - Not listed<br>SARA 311 - 1. Immediate (acute) health hazard<br>2. Delayed (chronic) health hazard<br>3. Fire hazard<br>SARA 313 Toxic Chemical List – Not listed |
|                              | <b>DSD (EEC)</b>                       | This product is not classified according to the EU regulations.  |
|                              | <b>International Regulations Lists</b> | Yes positive listing   |

**Hazardous Material Information System (U.S.A.)**



**National Fire Protection Association (U.S.A.)**



**WHMIS (Classification)** Not controlled under WHMIS (Canada).

