

**I. PRODUCT AND COMPANY IDENTIFICATION**

|                 |                               |                |  |
|-----------------|-------------------------------|----------------|--|
| Company:        | Natural Advantage, LLC        | Address:       | 1050 Cypress Creek Road Oakdale, Louisiana 71463 |
| Telephone:      | 318-215-1456                  | Fax:           | 318-335-1579                                     |
| Product Name:   | Methyl 3-Methylthiopropionate | Chemical Name: | Methyl 3-(Methylthio)propionate                  |
| Product Number: | NA2720                        |                |  |

|  |   |
|--|---|
| <b>EMERGENCY 24 HOUR CONTACT: ChemTrec</b> | <b>1-800-424-9300<br/>Contract # 219030</b> |
|--|---|

**II. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to Regulation 29 CFR 1910.1200  
 Flammable liquids Category 4  
 Acute aquatic toxicity Category 2

**NFPA Hazard Rating:** Health: 0 Fire: 2 Reactivity: 0

**Labeling according to Regulation 29 CFR 1910.1200:**

Pictogram:  
None

**Signal word:** Warning  
**Hazard statement:**  
 H227 Combustible liquid  
 H401 Toxic to aquatic life

**Precautionary statements:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces  
 – No smoking  
**Supplemental Hazard Statements:**  
 None

**III. COMPOSITION/INFORMATION ON INGREDIENTS**

|                |   |                  |                                 |
|----------------|---|------------------|---------------------------------|
| Product Name:  | Methyl 3-Methylthiopropionate                   | Chemical Name:   | Methyl 3-(Methylthio)propionate |
| Synonyms:      | Methyl beta-methiopropionate                    | CAS#:            | 13532-18-8                      |
| Formula:       | C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> S | EINECS#:         | 236-883-6                       |
| Molecular Wt.: | 134.19  | Chemical Family: | Thioether                       |

**IV. FIRST AID MEASURES**

|              |  |
|--------------|--|
| Inhalation   | Remove from the exposure to fresh air. Contact a physician as necessary. If breathing is irregular or has stopped, start resuscitation and administer oxygen if available. |
| Eye Contact  | Flush immediately with clean water for at least 15 minutes. Contact a physician if irritation persists.  |
| Skin Contact | Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water. If irritation persists, contact a physician.                                |
| Ingestion    | Do NOT induce vomiting. Give water to dilute. Contact a physician immediately.   |

**V. FIRE-FIGHTING MEASURES**

|                                      |  |
|--------------------------------------|--|
| Flashpoint (Method Used):            | 72°C (162°F) (CC)  |
| Lower Flammable Limit (% by Volume): | Information Not Applicable   |
| Upper Flammable Limit (% by Volume): | Information Not Applicable   |
| Extinguishing Media:                 | Water spray, Alcohol-resistant foam, dry chemical or carbon dioxide  |
| Special Fire Fighting Procedures:    | Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. |
| Unusual Fire and Explosion Hazards:  | None   |
| <b>NFPA Hazard Rating:</b>           | Health: 0 Fire: 2 Reactivity: 0  |

**VI. ACCIDENTAL RELEASE MEASURES**

|  |  |
|--|--|
| Steps to be taken in case material is released or spilled. | Eliminate all ignition sources. Ventilate area. Contain spill and recover free product. Report spill to appropriate authorities if required. |
| Waste Disposal Method                                      | Place material into sealed containers and dispose of in accordance with current applicable laws and regulations.                             |

**VII. PRECAUTIONS FOR SAFE HANDLING AND USE**

|  |  |
|--|--|
| Precautions to be taken in handling and storing. | Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. Good manufacturing practices dictate that an eyewash fountain and/or safety shower should be available in the work area. |
| Other Precautions:                               | None.  |

**VIII. CONTROL MEASURES**

|   |  |
|---|--|
| Respiratory Protection:                 | None generally required. If desired use NIOSH approved respirator. |
| Ventilation:                            | Local exhaust meeting ACGIH criteria as needed.                    |
| Protective Gloves:                      | Use chemical resistant gloves.                                     |
| Protective Eyewear:                     | Use splash goggles or face shield when eye contact might occur.    |
| Other Protective Clothing or Equipment: | None required.   |

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

|   |                           |  |                                 |
|---|---------------------------|--|---------------------------------|
| Boiling Point:                                | 74-75°C (165-167°F)       | Specific Gravity (H <sub>2</sub> O = 1): | 1.0630-1.0830                   |
| Vapor Pressure (mm Hg):                       | Information Not Available | Flash Point:                             | 72°C (162°F)                    |
| Vapor Density (AIR =1):                       | > 1.0                     | Melting Point:                           | Information Not Available       |
| Solubility in Water:                          | Slightly                  | Evaporation Rate:                        | Information Not Available       |
| pH:   | Information Not Available | Color:                                   | Clear colorless to light yellow |
| Flammability (solid, gas):                    | Information Not Available | Oxidizing properties:                    | Information Not Available       |
| Upper/lower flammability or explosive limits: | Information Not Available | Odor:                                    | Onion-like                      |
| Autoignition temperature:                     | Information Not Available | Partition coefficient:                   | Information Not Available       |
| Viscosity:                                    | Information Not Available | Decomposition temperature:               | Information Not Available       |
| Appearance:                                   | liquid                    | Explosive properties:                    | Information Not Available       |

**EMERGENCY 24 HOUR CONTACT: ChemTrec 1-800-424-9300 Contract # 219030**

customerservice@natadv.com

**X. REACTIVITY DATA**

|  |   |  |
|--|---|--|
| Stability:   | Chemically Stable under recommended storage conditions. | Conditions to Avoid: Information Not Available |
| Incompatibility with other Substance (Materials to Avoid): | Strong oxidizing agents                                 |  |
| Hazardous Decomposition or Byproducts:                     | Carbon Oxides   |  |
| Hazardous Polymerization:                                  | No  |  |

**XI. TOXICOLOGICAL INFORMATION**

|   |   |   |                           |
|---|---|---|---------------------------|
| Acute toxicity: Information Not Available         |   | Skin corrosion/irritation:                          | May be harmful            |
| Serious eye damage/eye irritation:                | Mild irritation 24 h  | Respiratory or skin sensitization:                  | May be harmful            |
| Germ cell mutagenicity:                           | Information Not Available   | Reproductive toxicity:                              | Information Not Available |
| Specific target organ toxicity (single exposure): | Information Not Available   | Specific target organ toxicity (repeated exposure): | Information Not Available |
| Aspiration hazard:                                | May be harmful  |   |                           |
| Carcinogenicity:                                  | Methyl 3-Methylthiopropionate is not listed as carcinogenic by IARC, ACGIH, NTP, or OSHA. |   |                           |

**XII. ECOLOGICAL INFORMATION**

|                            |                           |                              |                           |
|----------------------------|---------------------------|------------------------------|---------------------------|
| Toxicity:                  | Information Not Available | Persistence and Degradation: | Information Not Available |
| Bioaccumulative potential: | Information Not Available | Mobility in soil:            | Information Not Available |
| PBT and vPvB assessment:   | Information Not Available | Other adverse effects:       | Information Not Available |

**XIII. DISPOSAL CONSIDERATIONS**

|                         |   |
|-------------------------|---|
| Product:                | Observe all federal, state, and local environmental regulations in disposing this material. |
| Contaminated packaging: | Dispose of as unused product.   |

**XIV. TRANSPORTATION INFORMATION**

|                                   |  |   |   |
|-----------------------------------|--|---|---|
| DOT (US)<br>Proper Shipping Name: | UN Number: Not Regulated<br>Information Not Applicable | Class: Information Not Applicable<br>Marine pollutant: No | Packing Group: Information Not Applicable<br>Poison Inhalation Hazard: No |
| IMDG<br>Proper Shipping Name:     | UN Number: Not Regulated<br>Information Not Applicable | Class: Information Not Applicable<br>Marine pollutant: No | Packing Group: Information Not Applicable                                 |
| IATA<br>Proper Shipping Name:     | UN Number: Not Regulated<br>Information Not Applicable | Class: Information Not Applicable                         | Packing Group: Information Not Applicable                                 |

**XV. REGULATORY INFORMATION**

|              |  |
|--------------|--|
| OSHA Hazards | Combustible Liquid   |
| US Federal   | TSCA: CAS#13532-18-8 is listed on the TSCA Inventory<br>California Prop. 65: This product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive harm. |
| SARA 311/312 | Fire Hazard  |
| Regulation   | Complies with 29 CFR 1910.1200   |

**XVI. OTHER INFORMATION**

|                      |  |
|----------------------|--|
| MSDS Creation Date:  | 09/19/10   |
| MSDS Revision #:     | 6  |
| Revision Date:       | 07/27/2016   |
| Liability Statement: | The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Natural Advantage, LLC shall not be held liable for any damage resulting from handling or from contact with the above product. |