

| NFPA HAZARD RATING |          |   |              | U.S. TRANSPORT SUMMARY                                                                            |  |
|--------------------|----------|---|--------------|---------------------------------------------------------------------------------------------------|--|
| 0                  | Least    |   |              | Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information. |  |
| 1                  | Slight   | 1 | Health       |                                                                                                   |  |
| 2                  | Moderate | 0 | Flammability |                                                                                                   |  |
| 3                  | High     | 0 | Reactivity   |                                                                                                   |  |
| 4                  | Severe   |   |              |                                                                                                   |  |

| SECTION 1: IDENTIFICATION                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name:</b> Masterlock™<br><b>EPA Registration #:</b> Exempt<br><b>Product ID/Unity #:</b> 1415719, 1415720, 1427499<br><b>Common Name:</b> Spray drift control agent<br><b>Chemical Description:</b> Spray drift control agent<br><b>Recommended Uses:</b> Adjuvant – See product label for full directions for use.<br><b>Restrictions for Use:</b> See product label for any potential use restrictions. |                                                                                                                                                                                 |
| <b>Manufactured For:</b><br><b>WINFIELD SOLUTIONS, LLC</b><br>P. O. Box 64589<br>St. Paul, MN 55164-0589                                                                                                                                                                                                                                                                                                             | <b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)</b><br><br><b>Non-Emergency Business Inquiries: 1-855-494-6343</b><br>Mon – Fri 8am – 5pm (Central Standard Time) |
| <b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:</b><br><b>CHEMTREC 1-800-424-9300 (24 hours)</b>                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                 |

| SECTION 2: HAZARDS IDENTIFICATION                                                                                                                                                                                                                                                                                                                                                                                |                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>EMERGENCY OVERVIEW:</b> Clear yellow to brown liquid with a plastic or slight citrus odor. Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling the product.                                                                                                               |                                                                                             |
| <b>POTENTIAL HEALTH EFFECTS:</b><br><b>Eyes:</b> May cause mild but reversible eye irritation.<br><b>Skin:</b> May cause mild but reversible skin irritation.<br><b>Inhalation:</b> May cause minor irritation of the upper respiratory tract.<br><b>Ingestion:</b> May cause minor irritation of the digestive tract.<br><b>Preexisting Conditions:</b> None known<br><b>Chronic Health Effects:</b> None known |                                                                                             |
| <b>Carcinogenicity</b>                                                                                                                                                                                                                                                                                                                                                                                           | NTP: Not listed                      IARC: Not listed                      OSHA: Not listed |
| <b>OSHA HCS 2012 CLASSIFICATION:</b> This product does not meet the definition of a hazardous chemical under OSHA's Hazard Communication Standard.                                                                                                                                                                                                                                                               |                                                                                             |
| <b>SIGNAL WORD:</b> CAUTION                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |
| <b>HAZARD STATEMENTS:</b><br>None required.                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |
| <b>Percent of product with unknown toxicity:</b> 0%                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |
| <b>PRECAUTIONARY STATEMENTS:</b><br><b>Prevention:</b> See Section 8 for personal protective equipment.<br><b>Response:</b> See Section 4 for first aid information.<br><b>Storage:</b> See Section 7 for storage information.<br><b>Disposal:</b> See Section 13 for disposal information.                                                                                                                      |                                                                                             |

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>Ingredient</b>                                                                                                                            | <b>% (wt)</b> | <b>CAS Reg. #</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|
| Alkyl benzenesulfonic acid, calcium salt                                                                                                     | <1.15%        | 84989-14-0        |
| Isobutyl alcohol                                                                                                                             | <0.50%        | 78-83-1           |
| *Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i). |               |                   |
| See Section 8 for exposure limits.                                                                                                           |               |                   |

**SECTION 4: FIRST AID MEASURES**

|                    |                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b> | Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.                                                                                               |
| <b>Ingestion:</b>  | Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| <b>Eyes:</b>       | Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if eye irritation occurs.         |
| <b>Skin:</b>       | Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if skin irritation persists.                                                          |

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Foam, Dry chemical, Carbon dioxide, Water fog, Water spray  
**Unsuitable Extinguishing Media:** Water jet. Use a water jet only to cool heated containers. Water may be ineffective in controlling fire.  
**Special Fire Fighting Procedures:** Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.  
**Hazardous Combustion Products:** Asphyxiates such as carbon monoxide may result from combustion.  
**Unusual Fire and Explosion Hazards:** Product will burn under fire conditions.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.  
**Environmental Precautions:** Keep spilled product from entering sewers or waterways.  
**Methods for Containment:** Contain spilled product by diking area with sand or earth.  
**Methods for Clean-up:** Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container.  
**Other Information:** None known

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.  
**Storage:** Store in cool, dry areas away from children, food and feed products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature.  
**Minimum Storage Temperature:** 32°F  
**Other Precautions:** Consult Federal, state and local laws and regulations pertaining to storage.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| Exposure Guidelines                                                                                                                                                                                                                                     |                                     |              |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------|-----------|
| Component:                                                                                                                                                                                                                                              | OSHA PEL                            | ACGIH TLV    | NIOSH REL |
| Isobutyl alcohol (CAS # 78-83-1)                                                                                                                                                                                                                        | 50 ppm; 150 mg/m <sup>3</sup> (TWA) | 50 ppm (TWA) |           |
| <b>Respiratory Protection:</b> For most conditions, no respiratory protection should be needed. If airborne concentrations exceed exposure limits, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for organic vapors. |                                     |              |           |
| <b>Engineering Controls:</b> <b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.                 |                                     |              |           |
| <b>Protective Gloves:</b> While not expected to cause skin irritation, the use of chemically protective gloves is recommended to prevent against skin contact.                                                                                          |                                     |              |           |
| <b>Eye Protection:</b> While not expected to cause eye irritation, the use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.                                                     |                                     |              |           |
| <b>Other Protective Clothing or Equipment:</b> Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.                                                                                                                         |                                     |              |           |
| <b>Work/Hygienic Practices:</b> Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.                                 |                                     |              |           |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|                                    |                                                                   |                                             |                        |
|------------------------------------|-------------------------------------------------------------------|---------------------------------------------|------------------------|
| <b>Physical State:</b>             | Liquid                                                            | <b>Specific Gravity (H<sub>2</sub>O=1):</b> | 0.8799 - 0.8903 @ 20°C |
| <b>Vapor Pressure (mm Hg):</b>     | Not determined                                                    | <b>Density (lbs/gallon):</b>                | 7.34 – 7.43 lbs/gallon |
| <b>Vapor Density (Air=1):</b>      | Not determined                                                    | <b>Freezing Point:</b>                      | 32°F (0°C)             |
| <b>Solubility in Water (wt %):</b> | Not determined                                                    | <b>Boiling Point/Range:</b>                 | Not determined         |
| <b>Viscosity (centistokes):</b>    | Not determined                                                    | <b>pH (1% emulsion):</b>                    | 5.7                    |
| <b>Appearance and odor:</b>        | Clear yellow to brown liquid with a plastic or slight citrus odor | <b>Flash Point:</b>                         | >200°F (93°C)          |

**SECTION 10: STABILITY AND REACTIVITY**

|                                                                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Reactivity:</b> None known                                                                                                                          |  |
| <b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling conditions.                        |  |
| <b>Possibility of Hazardous Reactions:</b> Will not occur                                                                                              |  |
| <b>Conditions to Avoid:</b> Avoid excessive heat or exposure to flames.                                                                                |  |
| <b>Incompatible Materials:</b> Strong oxidizers, strong alkalis, strong reducing agents                                                                |  |
| <b>Hazardous Decomposition Products:</b> Alcohols. Carbon monoxide and carbon dioxide may form under burning conditions or with incomplete combustion. |  |

**SECTION 11: TOXICOLOGICAL INFORMATION**

|                                        |                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACUTE TOXICITY</b>                  |                                                                                                                                                         |
| <b>Eye Effects:</b>                    | May cause mild but temporary eye irritation. Animal tests showed the product to be a non-irritant.                                                      |
| <b>Skin Effects:</b>                   | May cause mild but temporary skin irritation. Animal tests showed the product to be a non-irritant. Product is not a skin sensitizer. LD50 >5,050 mg/kg |
| <b>Acute Inhalation Effects:</b>       | LC50 >2.09 mg/L. There was no mortality during the study and the product is not anticipated to be toxic by inhalation.                                  |
| <b>Acute Oral Effects:</b>             | LD50 >5,000 mg/kg                                                                                                                                       |
| <b>Specific Target Organ Toxicity:</b> | None known                                                                                                                                              |
| <b>CHRONIC TOXICITY</b>                |                                                                                                                                                         |
| <b>Chronic Effects:</b>                | None known                                                                                                                                              |
| <b>Carcinogenicity:</b>                | None known                                                                                                                                              |
| <b>Mutagenicity:</b>                   | None known                                                                                                                                              |
| <b>Teratogenicity:</b>                 | None known                                                                                                                                              |
| <b>Reproductive Toxicity:</b>          | None known                                                                                                                                              |

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**POTENTIAL HEALTH EFFECTS:****Eyes:** May cause mild but reversible eye irritation.**Skin:** May cause mild but reversible skin irritation.**Inhalation:** May cause minor irritation of the upper respiratory tract.**Ingestion:** May cause minor irritation of the digestive tract.**SECTION 12: ECOLOGICAL INFORMATION****ENVIRONMENTAL SUMMARY:** This product is not expected to be harmful to aquatic organisms.**ECOTOXICITY DATA:****Fish Acute and Prolonged Toxicity:** Rainbow trout 96 hr EC50 = 321.43 mg/L; NOEC = 125 mg/L**Aquatic Invertebrate Acute Toxicity:** *Daphnia magna* EC50 >100 mg/L @ 24 hours and 62.5 mg/L @ 48 hours  
NOEC = 50 mg/L @ 24 hours and 25 mg/L @ 48 hours**Aquatic Plant Toxicity:** Not determined**Bird Acute and Prolonged Toxicity:** Not determined**Honeybee Toxicity:** Not determined**ENVIRONMENTAL EFFECTS:****Soil Absorption/Mobility:** Not determined**Persistence and degradability:** Not determined**Bioaccumulative Potential:** Not determined**Other adverse effects:** Not determined**SECTION 13: DISPOSAL CONSIDERATIONS****Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.**Container:** Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.**SECTION 14: TRANSPORT INFORMATION****DOT:** This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.  
**(Ground)****IMDG:** This product is not regulated by the IMDG code as a hazardous material for shipment by sea.  
**(Sea)****IATA:** This product is not regulated by the IATA as a hazardous material for air shipment.  
**(Air)****TDG:** This product is not regulated by the TDG as a hazardous material for ground shipment.  
**(Canada)****SECTION 15: REGULATORY INFORMATION****TSCA Inventory:** Not determined**SARA Title III Information:****Section 302 - Extremely hazardous substances:** None listed**Section 311/312 - Hazard Categories:** None**Section 313 -** The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:  
None listed**CERCLA -** This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

No component reportable quantities could be met with any practical quantity of product.

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**California Proposition 65: WARNING:** This product contains a chemical known to the state of California to cause cancer and/or reproductive harm.

**U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):**

| <b>Chemical Name</b> | <b>CAS #</b> | <b>State(s)</b> |
|----------------------|--------------|-----------------|
| Isobutyl alcohol     | 78-83-1      | MA, PA          |

**Canadian Domestic Substances List:** Not determined

**WHMIS Classification:** This product is not approved for use in Canada. WHMIS classification is not determined.

**SECTION 16: OTHER**

**Disclaimer:** The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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**Sections Revised:** All