

# Safety Data Sheet

MILSPRAY MIL-DTL-64159B Type II/III-34201 Woodland Desert Sage  
Revision Date: June 2, 2015

Contains NCP Coatings MIL-DTL-64159B Type II-34201 Woodland Desert Sage

## Section 1 - Manufacturer Identification

**Product Name:** MIL-DTL-64159B Type II/III-34201  
Woodland Desert Sage

**MILSPRAY**

Military Technologies

**Recommend Use:** Touch-Up Military Paint  
**Not Recommended For:** Commodity General Public Use

**Supplier's Name:** MILSPRAY Military Technologies

**Address:** 845 Towbin Ave  
Lakewood, NJ 08701

**Phone:** 732-886-2223

**EMERGENCY PHONE:** 1-800-424-9300 (Chemtrec)

HMIS	
Health	2
Flammability	1
Reactivity	0
Personal Protection	G



## Section 2 - Hazards Identification

### Emergency Overview:

**Physical appearance:** Liquid

**Immediate concerns:** Harmful if inhaled or swallowed.

### GHS Ratings:

Eye Irritant 2A

**GHS Signal Word:** Warning

### GHS Hazards:

Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
Causes serious eye irritation.



### GHS Precautions

IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.  
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.  
Wash contaminated clothing before reuse.  
Store in a well-ventilated place.  
Dispose of contents/container in accordance with local/national/international regulations.

## Section 3 - Composition/Information on Ingredients

Chemical Name	Wt %	CAS Number	GHS
Titanium Dioxide	14.01	13463-67-7	Conclusive but not sufficient for classification.

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*Methyl-2-Pyrrolidone	3.51	872-50-4	H227 Combustible liquid. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H335 May cause respiratory irritation. H360 May damage fertility or the unborn child.
3-Trimethoxysilylpropane-1-thiol	1-5%	4420-74-0	
Carbon Black	0.23	1333-86-4	Not sufficient for classification.

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT MAY CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

## Section 4 - First Aid Measures

**EYE CONTACT:** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse.

**INHALATION:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

**INGESTION:** DO NOT induce vomiting. Get medical attention immediately.

**NOTE TO PHYSICIAN:** Not available.

### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS:** Eye irritant.

**EFFECTS:** Contact can cause burning, itching, redness, inflammation, and swelling.

## Section 5 - Fire Fighting Measures

**FLASH POINT:** 250°F(121°C) SETAFLASH CLOSED CUP

**LEL:** 1.3

**UEL:** 9.5

**SUITABLE EXTINGUISHING MEDIA:** Water mist or fog, dry chemical, foam, carbon dioxide.

**UNSUITABLE EXTINGUISHING MEDIA:** Not available.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Material may combust at extreme temperature.. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water with caution, material may float and combust. Water may be ineffective in fighting the fire. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike collect water used to fight fire. Small fires: carbon dioxide or dry chemical. Large fire: alcohol-type aqueous film-forming foam or water spray.

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**PRODUCTS OF COMBUSTION:** During combustion carbon monoxide and/or carbon dioxide may be formed.  
**PROTECTION OF FIREFIGHTERS:** Not available.

## Section 6 - Accidental Release Measures

**PERSONAL PRECAUTIONS:** Not available.

**ENVIRONMENTAL PRECAUTIONS:** Stop spill at source, and prevent material from entering drains, sewers, streams or other bodies of water.

**METHODS OF CONTAINMENT:** Dike spill area with suitable absorbant material or chemical booms to limit spreading.

### SPILL AND LEAK PROCEDURES:

#### METHODS OF CLEAN-UP:

**Small Spills:** Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapors and avoid skin contact. Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent. Shovel spent absorbent into recovery or salvage drums for appropriate disposal.

**Large Spills:** Wear appropriate personal protective equipment. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for cleanup. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand, earth or sawdust), then place in a chemical waste collector.

**EMERGENCY PRECAUTIONS:** Wear proper protective equipment.

## Section 7 - Handling and Storage

**HANDLING:** Use only in a well ventilated area. Avoid breathing vapor, fumes, or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all SDS/label precautions even after containers are emptied because they may retain product residues.

**STORAGE:** Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

## Section 8 - Exposure Controls/Personal Protection

Components	CAS	Limits
Titanium Dioxide	13463-67-7	OSHA PEL 10 mg/m <sup>3</sup> TWA Total Dust ACGIH TLV 10 mg/m <sup>3</sup> Total Dust
*Methyl-2-Pyrrolidone	872-50-4	ACGIH TLV NE OSHA PEL NE
3-Trimethoxysilylpropane-1-thiol	4420-74-0	OSHA PEL NE ACGIH TLV NE
Carbon Black	1333-86-4	OSHA PEL: 3.5 mg/m <sup>3</sup> TWA ACGIH TLV: 3.5 mg/m <sup>3</sup> TWA

### OSHA TABLE COMMENTS:

NE = Not Established

**ENGINEERING CONTROLS:** Engineering controls should be in place to minimize exposure to vapors and any ignition sources.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) and a face shield.

**SKIN:** Wear impervious gloves to prevent contact with skin. Wear protective gear as needed - apron, suit, boots.

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**RESPIRATORY:** NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

**WORK HYGIENIC PRACTICES:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## Section 9 - Physical and Chemical Properties

**PHYSICAL STATE:** Liquid

**ODOR:** Typical

**ODOR THRESHOLD:** Not determined.

**pH:** Not available.

**Boiling Point:** 170.0 F

**FLASH POINT:** 250°F(121°C) SETAFLASH CLOSED CUP

**FLAMMABILITY LIMITS:** 1.3 TO 9.5

**VAPOR DENSITY:** Not determined.

**VAPOR PRESSURE:** Not available.

**VAPOR DENSITY:** Not available.

**RELATIVE DENSITY:** 1.2444293

**AUTO-IGNITION TEMPERATURE:** Not available.

**VOC EPA METHID 24:** 1.0449009 lb/gal

## Section 10 - Stability and Reactivity

**STABILITY:** No information available.

**CONDITIONS TO AVOID:** Avoid impact, friction, heat, sparks, flame and source of ignition.

**INCOMPATIBLE MATERIALS:** Prevent contact with strong oxidizing agents..

**HAZARDOUS DECOMPOSITION PRODUCTS:** During combustion carbon monoxide and/or carbon dioxide may be formed.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No information available.

## Section 11 - Toxicological Information

**LIKELY ROUTES OF EXPOSURE:** Eye contact, Skin contact, Ingestion, and Inhalation

### ACUTE EFFECTS :

**EYE :** Causes eye irritation.

**SKIN :** Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**INHALATION :** Vapors are irritating to nasal passages and throat. High concentrations can cause stupor and headaches. May cause dizziness and drowsiness.

**INGESTION :** Irritating to mouth, throat, and stomach. May cause headache. May cause dizziness and drowsiness and/or stupor.

**CHRONIC EFFECTS :** Significant exposure to this chemical may adversely affect people with chronic

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disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

**ACUTE TOXICITY VALUES** : The acute effects of this product have not been tested. Data on individual components are listed below.

CAS Number	TEST
13463-67-7	Vapor LC50: >6.82lg/L Rat, Dermal LD50: >10,000 mg/kg Rabbit, Oral LD50: >5,000 mg/kg Rat,
872-50-4	Oral LD50: 4150 mg/kg, Dermal LD50: >5,000 mg/kg, Vapor LC50 N.D. Mg/L,
4420-74-0	Oral LD50; 730 uL/kg, Dermal LD50: 2140 uL/kg,
1333-86-4	Oral LD50: >8000 mg/kg

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Not available.

**TARGET ORGANS:** Not available.

**DEVELOPMENTAL INFORMATION:** Not available.

**CHRONIC EFFECTS:** Not available.

**CARCINOGENICITY:** Not available.

## Section 12 - Ecological Information

CAS Number	TEST
13463-67-7	96h LC50: >1,000 mg/L (fathead minnow), 72h EC50: 61 mg/L (green algae), 48h EC50: >1,000 gm/L (water flea),
872-50-4	No information available
4420-74-0	Aquatic EC50: Daphnia magna 6.7 mg/l
1333-86-4	Acute algae EC50: >10,000 mg/L, Acute fish LC50>1000 mg/L, Acute water flea EC50:>5600 mg/L,

## Section 13 - Disposal Considerations

**DISPOSAL METHOD:** Dispose of waste in accordance with all local, state, and federal regulations.

## Section 14 - Transport Information

**UN NUMBER/ PROPER SHIPPING NAME/ TRANSPORT HAZARD CLASS/ PACKING GROUP:**  
NON HAZARDOUS NOT REGULATED

## Section 15 - Regulatory Information

**REGULATORY OVERVIEW:** The regulatory data in section 15 is not intended to be all-inclusive, only selected regulations are represented.

**TSCA:** All components of this material are either listed or exempt from listing on the TSCA Inventory.

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**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**  
**311/312/313 REPORTABLE INGREDIENTS:** See Section 3.

**EPA HAZARDS:**

**FIRE :** No  
**PRESSURE GENERATING :** No  
**REACTIVITY :** No  
**ACUTE :** Yes  
**CHRONIC :** Yes

**DSL:** All components of this material are on or exempt from listing on the Canadian Domestic Substances List(DSL).

## Section 16 - Other Information

**HMIS:** Health = 2 Flammability = 1 Reactivity = 0 Personal Protection = G

**NFPA 704:** Health = 1 Flammability = 1 Instability = 0

**DISCLAIMER:**

This SDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State and Local laws and regulations.

**Revision History**

6/02/2015 – Original SDS version; approval JH