

# Safety Data Sheet

MILSPRAY FED-STD-595B #34088 Olive Drab Non-CARC 1K Touch-Up Pen  
Revision Date: June 11, 2015

Contains Custom-Pak U.S. Military FED-STD-595B #34088 (P) Olive Drab

## Section 1 - Manufacturer Identification

**Product Name:** FED-STD-595B #34088 Olive Drab  
Non-CARC 1K Touch-Up Pen



**Recommend Use:** Touch-Up Military Paint  
**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		NFPA	
Health	2	3	1
Flammability	3	2	1
Reactivity	1		
Personal Protection			

## Section 2 - Hazards Identification

### GHS Rating:

Flammable Liquids	2
Aspiration Hazard	1
Acute Toxicity	
Dermal	4
Skin Corrosion/Irritation	2
Serious Eye Damage/Eye Irritation	2A
Acute Toxicity	
Inhalation	4
Specific Target Organ Toxicity	
Single Exposure	3
Specific Target Organ Toxicity	
Single Exposure	3
Germ Cell Mutagenicity	1A,1B
Carcinogenicity	1A,1B



**GHS Signal Word:** Danger

### GHS Hazards:

- Highly flammable liquid and vapor.
- May be fatal if swallowed and enters airways.
- Harmful in contact with skin.
- Causes skin irritation.
- Causes serious eye irritation.
- Harmful if inhaled.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- May cause genetic defects.
- May cause cancer.

### GHS Precautions:

- Keep out of reach of children. Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/other ignition sources. No smoking.
- Keep container tightly closed when not in use. Avoid breathing vapor.
- Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

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Wear eye protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Call a POISON CENTER/doctor if you feel unwell.

Do NOT induce vomiting.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agent to extinguish

Store in a well-ventilated place. Keep container tightly closed when not in use.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national regulations.

## Section 3 - Composition/Information on Ingredients

Component	CAS Number	% by weight
XYLENE	1330-20-7	28.8
SOLVENT NAPHTHA	64742-95-6	20.0
*ETHYLBENZENE	100-41-4	6.2
*CARBON BLACK	1333-86-4	2.0
PM ACETATE	108-65-6	1.2
N-BUTYL ACETATE	123-86-4	1.2
ETHYL ACETATE	141-78-6	0.8
(BIN 14) ALIPHATIC HYDROCARBON	8052-41-3	0.8
ISOBUTYL ALCOHOL	78-83-83-1	0.3
N-BUTYL ALCOHOL	71-36-3	0.3
VM&P NAPHTHA	64742-89-8	0.3
PETROLEUM SOLVENT	64742-47-8	0.3
ALIPHATIC PETROLEUM NAPHTHA	64742-48-9	0.3
ISOBUTYL ACETATE	110-19-0	0.3
LT ALIPHATIC NAPHTHA	8032-32-4	0.2

## Section 4 - First Aid Measures

**EYE CONTACT:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**INHALATION:** If inhaled: Move victim to fresh air and keep comfortable for breathing.

**SKIN CONTACT:** If on skin: Wash with plenty of soap and water. Call a poison center/doctor if you feel unwell. Remove contaminated clothing and wash before reuse.

**INGESTION:** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting unless directed to do so by medical personnel.

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

See section 11: Toxicological Information and Effects.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:**

Treat symptomatically.

## Section 5 - Fire Fighting Measures

**SUITABLE EXTINGUISHING MEDIA:** CO2 (Carbon Dioxide), dry chemical, or water fog.**UNSUITABLE EXTINGUISHING MEDIA:** Water spray may be unsuitable. However, if water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up.**SPECIFIC HAZARDS ARISING FROM CHEMICAL:** Closed containers exposed to heat from fire may build pressure and explode. Products of combustion may include but are not limited to: oxides of carbon.**PRODUCTS OF COMBUSTION:** Not available.**PRODUCTS OF DECOMPOSITION:** Not available.**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:** Full protective equipment including self-contained breathing apparatus should be used.

## Section 6 - Accidental Release Measures

**PERSONAL PRECAUTIONS:** Use personal protection recommended in Section 8.**ENVIRONMENTAL PRECAUTIONS:** Prevent contamination of soil/ground, waterways, drains, and sewers.**METHODS OF CONTAINMENT:** Absorb spilled liquid in suitable material.**METHODS OF CLEAN-UP:** Use spark-proof tools to sweep or scrape up, containerize, and dispose of properly.

## Section 7 - Handling and Storage

**HANDLING:** Vapors may ignite explosively. Prevent buildup of vapors. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate/burn container. Keep container tightly closed while not in use.**STORAGE:** Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 50 degrees C / 122 degrees F. If storing in cold temperatures, allow product to warm to room temperature before use. Keep container tightly closed and away from heat and sunlight when not in use.

## Section 8 - Exposure Controls/Personal Protection

Component	ACGIH TLV-STEL	ACGIH TLV-TWA	OSHA PEL-TWA
XYLENE	150ppm	100ppm	100ppm
SOLVENT NAPHTHA	N/E	100ppm	100ppm
*ETHYLBENZENE	125ppm	100ppm	100ppm
*CARBON BLACK	N/E	3.5mg/m ppm	3.5mg/m ppm
PM ACETATE	N/E	N/E	N/E
N-BUTYL ACETATE	200ppm	150ppm	150ppm
ETHYL ACETATE	N/E	400ppm	400ppm
(BIN 14) ALIPHATIC HYDROCARBON	N/E	N/E	N/E
ISOBUTYL ALCOHOL	N/E	50ppm	300mg/m <sup>3</sup>
N-BUTYL ALCOHOL	N/E	50ppm	300mg/m <sup>4</sup>
VM&P NAPHTHA	N/E	300ppm	300ppm

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PETROLEUM SOLVENT	N/E	N/E	400ppm
ALIPHATIC PETROLEUM NAPHTHA	N/E	100ppm	500ppm
ISOBUTYL ACETATE	N/E	150ppm	150ppm
LT ALIPHATIC NAPHTHA	N/E	N/E	N/E

**ENGINEERING CONTROLS:** Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels. Ground containers during fluid transfers.

**EYE PROTECTION:** Wear safety glasses with side shields. Have eye wash facilities immediately available.

**SKIN PROTECTION:** Wear chemical resistant gloves if contact is likely.

**RESPIRATORY PROTECTION:** Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

**HYGIENE:** Not available.

## Section 9 - Physical and Chemical Properties

**PHYSICAL STATE:** Liquid

**COLOR:** Black

**ODOR:** Solvent odor.

**ODOR THRESHOLD:** Not data available.

**pH:** Not data available.

**MELTING POINT:** Not available.

**BOILING POINT:** 75 - 186 degrees C (167 - 367 degrees F)

**FLASH POINT:** >23 degrees C (>73 degrees F), c.c.

**EVAPORATION RATE:** Slower than ether.

**FLAMMABILITY:** Not available.

**UPPER/LOWER EXPLOSIVE LIMITS:** N/A

**VAPOR PRESSURE:** Not established.

**RELATIVE DENSITY:** 0.995

**SOLUBILITY:** Negligible

**VOC PERCENT BY WEIGHT:** 61.27

**HAPS PERCENT BY WEIGHT:** 35.3

## Section 10 - Stability and Reactivity

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Keep away from heat, sparks, and flames.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** by fire - Carbon Dioxide and Carbon Monoxide

**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur.

## Section 11 - Toxicological Information

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

**SYMPTOMS OF EXPOSURE:**

**EYE:** Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**SKIN:** Signs/symptoms may include localized redness, itching, drying and cracking of skin.

**INHALATION:** Intentional concentration and inhalation may be harmful or fatal.

**INGESTION:** Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. Intentional concentration and ingestion of large amounts may be harmful or fatal.

**CHRONIC EFFECTS:** Not available

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**TARGET ORGANS:** Central nervous system, kidneys, lungs, liver, eyes, skin, brain, respiratory tract, urinary tract, reproductive system, cardiovascular system

**CANCER INFORMATION:** Not available.

**CARCINOGENICITY:** Not available.

**DEVELOPMENTAL INFORMATION:** Not available.

**MIXTURE TOXICITY:** Not available.

**ACUTE TOXICITY VALUES:**

Component	LD50 Oral	LD50 Dermal
XYLENE	4300	2000
SOLVENT NAPHTHA	N/E	N/E
*ETHYLBENZENE	3500	5000
*CARBON BLACK	8000	N/E
PM ACETATE	8535	5000
N-BUTYL ACETATE	10768	17601
ETHYL ACETATE	5620	20 ml/kg
(BIN 14) ALIPHATIC HYDROCARBON	N/E	N/E
ISOBUTYL ALCOHOL	N/E	N/E
N-BUTYL ALCOHOL	N/E	N/E
VM&P NAPHTHA	N/E	N/E
PETROLEUM SOLVENT	N/E	N/E
ALIPHATIC PETROLEUM NAPHTHA	N/E	N/E
ISOBUTYL ACETATE	13400	17400
LT ALIPHATIC NAPHTHA	N/E	N/E

\*may cause cancer

## Section 12 - Ecological Information

**ENVIRONMENTAL EFFECTS:** Not available.

## Section 13 - Disposal Considerations

Dispose of container and its contents in accordance with federal, state, and local regulations. Do not puncture, incinerate, or place container in trash compactor.

## Section 14 - Transport Information

**GROUND (D.O.T./49 CFR)**

**UN I.D. Number:** UN1263

**Proper Shipping Name:** PAINT

**Transport Hazard Class:** 3

**Packing Group:** III

**Hazard Label:** Limited Quantity (LTD QTY) label -- see 49 CFR 172.315

Shipping papers format: UN1263, PAINT, 3, III, LTD QTY

**SPECIAL NOTE:** If containers have <30ml (1 fl.oz.) flammable liquid, they may be exempt from 49 CFR - see 40 CFR 173.4 Small Quantity Exceptions.

Note that outer package needs statement "This package conforms to 49 CFR 173.4 for domestic highway or rail transport only."

**AIR (IATA)**

**UN I.D. Number:** UN1263

**Proper Shipping Name:** PAINT

**Transport Hazard Class:** 3

**Packing Group:** III

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**Hazard Label:** LTD QTY label with "Y", and Flammable Liquid label

**Packing Instruction:** Y344 (Note 10L maximum per package!)

**Shipping papers format:** UN1263, PAINT, 3, III

**SPECIAL NOTE:** If containers have <30ml (1 fl. oz.), they may qualify to be shipped as Excepted Quantity - see IATA 2.6 for details.

## WATER (IMDG)

**UN I.D. Number:** UN1263

**Proper Shipping Name:** PAINT

**Transport Hazard Class:** 3

**Packing Instructions:** P001, LP01

**Packing Group:** III

**Hazard Label:** LTD QTY label, see IMDG 3.4.5.1

EmS: F-E, S-E Stowage and Segregation: Category A

**Shipping papers format:** UN1263, PAINT, 3, III, (23 C c.c.), LTD QTY

**SPECIAL NOTE:** If containers have <30ml (1 fl. oz.), they may qualify to be shipped as an Excepted Quantity, see IMDG 3.5.1 for details.

No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

## Section 15 - Regulatory Information

### International Chemical Inventory

All components of this product are listed on or exempt from the following inventories:

TSCA (United States), CEP/DSL (Canada), AICS (Australia), IECSC (China)

### SARA Section 313 Toxic Chemicals:

XYLENE 1330-20-7, \*ETHYLBENZENE 100-41-4, N-BUTYL ALCOHOL 71-36-3

Chemicals listed above are subject to the SARA reporting requirements under 40 CFR 372.45(c)(5).

### California Prop65 Chemicals:


\*ETHYLBENZENE 100-41-4, \*CARBON BLACK 1333-86-4

\*California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

## Section 16 - Other Information

**HMIS:** Health=2 Flammability = 3 Physical Hazard=1 Personal Protection=N/A

**NFPA:** Health=2 Flammability=3 Instability=1

HMIS		NFPA	
Health	2		
Flammability	3		
Reactivity	1		
Personal Protection			

### 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

6/01/2015 – Original SDS version; approval JH

9/30/2015 – Correction of Product ID information