

# Safety Data Sheet

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MILSPRAY Power Unit  
Revision Date: June 10, 2015

Contains Preval Sprayer

## Section 1 - Manufacturer Identification

**Product Name:** MILSPRAY Power Unit  
**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)

**MILSPRAY**  
Military Technologies

HMIS

Health	*	2
Flammability		4
Physical Hazard		0
Personal Protection		X

NFPA



## Section 2 - Hazards Identification

### GHS Ratings:

Serious Eye Damage/Eye Irritation	2A
Specific Target Organ Systemic toxicity Single Exposure	3
Simple Asphyxiant	Yes
Flammable Aerosols	1
Gases Under Pressure	

**GHS Signal Word: Danger**

### GHS Hazards:

Causes serious eye irritation  
May cause respiratory irritation  
May cause drowsiness or dizziness  
Extremely flammable aerosol



### GHS Precautions

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Wash face, hands and any exposed skin thoroughly after handling.  
Avoid breathing gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
If exposed or concerned: Get medical attention/advice.  
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.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Store locked up in a well-ventilated place. Keep container tightly closed.

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Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Dispose of contents/container to an approved waste disposal plant.

Rapid evaporation of the liquid may cause frostbite.

May be harmful if inhaled. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

## Section 3 - Composition/Information on Ingredients

Product Name	CAS #	% by weight
Dimethyl Ether	115-10-6	<55*
Isobutane	75-28-5	<30*
Propane	74-98-6	<30*

\*The exact percentage(concentration) of composition has been withheld as a trade secret.

## Section 4 - First Aid Measures

**EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.

**SKIN CONTACT:** Wash off with warm water and soap. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Get medical attention if symptoms occur.

**INHALATION:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** Not an expected route of exposure

**NOTE TO PHYSICIAN:** Treat symptomatically.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:** Eye irritation/reactions. Frostbite. Drowsiness. Dizziness. Simple asphyxiant.

## Section 5 - Fire Fighting Measures

**FLASH POINT:** -104C open cup (for pure ethanol)

**SUITABLE EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, Alcohol-resistant foam, and Water fog.

**UNSUITABLE EXTINGUISHING MEDIA:** Not available.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** This material is sensitive to mechanical impact and it is sensitive to static discharge.

**PRODUCTS OF COMBUSTION:** Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

**INCOMPARIBLE PRODUCTS:** Strong oxidizing agents.

**PROTECTION OF FIREFIGHTERS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6 - Accidental Release Measures

**PERSONAL PRECAUTIONS:** Contents under pressure. Remove all sources of ignition. Do not puncture or incinerate cans. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material.

**SPILL AND LEAK PROCEDURES:** Not available.

**ENVIRONMENTAL PRECAUTIONS:** See Section 12 for additional Ecological Information.

**METHODS OF CONTAINMENT:** Prevent further leakage or spillage if safe to do so.

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**METHODS OF CLEAN-UP:** Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

**OTHER INFORMATION:** Not available.

## Section 7 - Handling and Storage

**HANDLING:** Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing.

**STORAGE:** Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

**INCOMPARIBLE PRODUCTS:** Strong oxidizing agents.

## Section 8 - Exposure Controls/Personal Protection

Product Name	OSHA PEL	ACGIH TLV	NIOSH REL
Dimethyl Ether 115-10-6	TWA: 1000ppm	TWA: 1000ppm	TWA: 1000ppm

**ENGINEERING CONTROLS:** Showers, eyewash stations, and ventilation systems.

**EYE PROTECTION:** No protective equipment is needed under normal use conditions. Risk of contact, wear: Safety glasses with side-shields.

**SKIN PROTECTION:** No protective equipment is needed under normal use conditions. Lightweight protective clothing. Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

**RECOMMENDED VENTILATION:** Not available.

**RESPIRATORY PROTECTION:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**CONTAMINATED EQUIPMENT:** Not available.

**HYGIENE:** Handle in accordance with good industrial hygiene and safety practice.

## Section 9 - Physical and Chemical Properties

**APPEARANCE:** Clear aerosol

**ODOR:** ether

**ODOR THRESHOLD:** Not available.

**PHYSICAL STATE:** Aerosol

**% Volume Volatile:** 100%

**Formula Lb/Gal:** Not available.

**Boiling Range:** -42.2 to -11.7° C (for concentrate)

**EVAPORATION RATE:** Slower than ether.

**pH:** Not available.

**MELTING POINT/FREEZING POINT:** Not available.

**FLASH POINT:** -104 ° C

**FLAMMABILITY:** Not flammable.

**UPPER/LOWER LIMITS FLAMMABILITY:** Not available

**VAPOR PRESSURE:** 45-55 psig @ 70 F

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**RELATIVE DENSITY:** 0.6 (Water = 1)

**WATER SOLUBILITY:** 3.50%

**PARTITION COEFFICIENT:** Not available.

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

**DECOMPOSITION TEMPERATURE:** Not available.

**VISCOSITY:** Not available.

**VAPOR DENSITY:** Heavier than air.

**Lbs VOC/Gallon Less Water:** Not available.

**Gms VOC/Liter Less Water:** Not available.

## Section 10 - Stability and Reactivity

**REACTIVITY:** Not reactive under normal conditions.

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Heat, flames and sparks.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides and Nitrogen oxides (NOx).

**POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal processing. Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

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

**EYE:** Contact with eyes may cause serious eye irritation based on the components present within the product.

**INHALATION:** May cause irritation of respiratory tract. May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**SKIN:** Contact with product may cause frostbite.

**Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes. Avoid skin contact with leaking liquid (danger of frostbite).

**TARGET ORGANS:** Not available.

**CANCER INFORMATION:** Not available.

**Carcinogenicity:** Not available.

CAS Number-None; Description-N/A; % Weight-N/A; Carcinogen Rating-N/A

**DEVELOPMENTAL INFORMATION:** Not available.

**STOT-single exposure:** May cause respiratory irritation. May cause drowsiness or dizziness.

**MIXTURE TOXICITY:** Not available.

**COMPONENT TOXICITY:**

Product Name	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Dimethyl Ether	Not established	Not established	308.5 mg/L
Isobutane	Not established	Not established	658 mg/L
Propane	Not established	Not established	658 mg/L

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## Section 12 - Ecological Information

**ENVIRONMENTAL EFFECTS:** The environmental impact of this product has not been fully investigated.

### BIOACCUMULATION:

Product Name	Log Pow
Dimethyl Ether	-0.18
Isobutane	2.89
Propane	2.3

## Section 13 - Disposal Considerations

Dispose of in accordance with federal, state, and local regulations. Do not re-use empty containers.

## Section 14 - Transport Information

	DOT (Ground)	IATA (Air)	IMDG (Water)	TDG	MEX	ICAO
UN Number	N/A	ID8000	UN1950	UN1950	UN1950	ID8000
Transport Hazard Class	ORM-D	9	2	2.1	2.1	9
Packing Group	N/A	N/A	N/A	N/A	N/A	N/A
UN proper shipping name	Consumer commodity	Consumer commodity	Aerosols	Aerosols	Aerosols	Consumer commodity
Emergency Response Guide	126	9L	F-D, S-U	N/A	N/A	N/A

## Section 15 - Regulatory Information

Other regulatory information is listed where applicable.

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

**Toxic Substances Control Act (TSCA):** All components of this product are either listed or are exempt on the TSCA inventory.

**Canadian Domestic Substances List/Non-Domestic Substances List (DSL/NDSL):** Substances comply or are exempt

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372: none.

### SARA 311/312 Hazard Categories:

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** Yes

**Fire Hazard:** Yes

**Sudden Release of Pressure Hazard:** Yes

**Reactive Hazard:** No

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## Section 16 - Other Information

**HMIS:** Health = 2\* Flammability = 4 Physical Hazard = 0 Personal Protection = X

**NFPA 704:** Health = 2 Flammability = 4 Instability = 0

HMIS			NFPA		
Health	*	2		2	0
Flammability		4			
Physical Hazard		0			
Personal Protection		X			

### 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

6/10/2015 – Original SDS version; approval JH