

# Safety Data Sheet

MILSPRAY TECTYL® Touch Up  
Revision Date: June 25, 2015

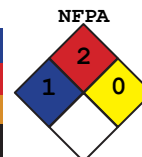
Contains TECTYL® 2423 HAPS FREE BLACK

## Section 1 - Manufacturer Identification

**Product Name:** TECTYL® Touch Up  
**Recommend Use:** Corrosion Preventative Compound (water-based)  
**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	1
Flammability	2
Physical Hazard	0
Personal Protection	D



## Section 2 - Hazards Identification

### GHS Ratings:

Hazardous to the aquatic environment: Acute Category 3

**GHS Signal Word:** Not available.

### GHS Hazards:

DO NOT FREEZE

Harmful to aquatic life

### GHS Precautions

Avoid release to the environment.

Dispose of contents/container in accordance with all local/regional/national/international regulation for hazardous wastes.

## Section 3 - Composition/Information on Ingredients

Component	CAS Number	% by weight
Zinc Phosphate (Dihydrate) Pigment	7779-90-0	5-10
1-Propoxy-2-propanol	1569-01-3	3-7
Butyl benzyl phthalate	85-68-7	1-5
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	25265-77-4	0.5-1.5

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret

## Section 4 - First Aid Measures

**EYE CONTACT:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

**SKIN CONTACT:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**INHALATION:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice. This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

**INGESTION:** Do not induce vomiting and seek medical attention immediately. Provide

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medical care provider with this SDS.

**NOTE TO PHYSICIAN:** Treat symptomatically.

**PROTECTION OF FIRST-AIDERS:** Not available.

## Section 5 - Fire Fighting Measures

**FLASH POINT:** Not measurable (water-based, >200°F)

**SUITABLE EXTINGUISHING MEDIA:** Water-based. Not combustible as supplied. Use extinguishing media appropriate for surrounding fire.

**UNSUITABLE EXTINGUISHING MEDIA:** None known.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Water-based. Material will not ignite or burn as supplied.

**PRODUCTS OF COMBUSTION:** Sulfur containing gases, Carbon dioxide, Carbon monoxide, and/or Hydrocarbons.

**PROTECTION OF FIREFIGHTERS AND FIRE FIGHTING EQUIPMENT:** Will not burn. No special instructions available. Use appropriate methods for the surrounding fire.

## Section 6 - Accidental Release Measures

**PERSONAL PRECAUTIONS:** No health effects expected from the clean-up of this material, if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this SDS.

**ENVIRONMENTAL PRECAUTIONS:** Not available.

**METHODS OF CONTAINMENT AND CLEAN-UP:** Collect and discard in accordance with local, state and national regulations.

**OTHER INFORMATION:** Not available.

## Section 7 - Handling and Storage

**HANDLING:** Mildly irritating material. Avoid unnecessary exposure.

**STORAGE:** Store in a cool dry place. Isolate from incompatible materials. Keep from freezing.

**INCOMPATIBLE MATERIALS:** Aluminum alloys, Strong oxidizing agents, Strong acids.

## Section 8 - Exposure Controls/Personal Protection

**EXPOSURE LIMITS:** No exposure limits in vapor form.

**ENGINEERING CONTROLS:** No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used. Facilities storing or using this material should be equipped with an eyewash and safety shower.

**ENVIRONMENTAL EXPOSURE CONTROLS:** Not available.

**EYE PROTECTION:** Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Do not wear contact lenses. Have an eye wash station available.

**SKIN PROTECTION:** Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when

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leaving work.

**HAND PROTECTION:** Wear Nitrile gloves when handling.

**RECOMMENDED VENTILATION:** Not available.

**RESPIRATORY PROTECTION:** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible.

**CONTAMINATED EQUIPMENT:** Not available.

**HYGIENE:** Not available.

## Section 9 - Physical and Chemical Properties

**APPEARANCE:** Black liquid.

**ODOR:** Slight Ammonia.

**ODOR THRESHOLD:** Not available.

**PHYSICAL STATE:** Liquid

**pH:** 9.5

**% Volume Volatile, by weight:** 44

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

**Boiling Point:** Not available.

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

**FLASH POINT:** >184°C (364°F)

**FLAMMABILITY:** Not available.

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

**VAPOR PRESSURE:** 28.28 mmHg

**EVAPORATION RATE:** 0.69 (butyl acetate = 1)

**DENSITY:** Not available.

**SPECIFIC GRAVITY:** 1.26

**SOLUBILITY:** in water: Moderate 50-99%

**PARTITION COEFFICIENT:** octanol/water: 0.612

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

**DECOMPOSITION TEMPERATURE:** Not available.

**VISCOSITY:** Typical 85 Stormer Ku

**VAPOR DENSITY:** Not available.

**Lbs VOC/Gallon Less Water:** 1.05

**Gms VOC/Liter Less Water:** 125.9

**VOC minus exempt solvents & water, lb/gal:** 1.56

**%Solid. (w/w):** Not available.

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## Section 10 - Stability and Reactivity

**STABILITY:** Stable under normal conditions. Hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Avoid temperatures above 100°F and freezing temperatures. Avoid moisture contamination in containers.

**INCOMPATIBLE MATERIALS:** Will react with acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion of product will lead to toxic levels of ammonia. Oxides of nitrogen, carbon, aldehydes and ketones are produced.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, hazardous reactions will not occur.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

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

**EYE:** Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**INHALATION:** Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause systemic damage (see "Target Organs"). Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")

**SKIN:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. No absorption hazard expected in normal industrial use. Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Upon prolonged or repeated exposure, no hazard in normal industrial use.

**Ingestion:** Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Harmful if swallowed.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Eye disease and Respiratory disease including asthma and bronchitis.

**TARGET ORGANS:** Lungs (only if dust or mist is present), Eyes, Central Nervous System

**CANCER INFORMATION:** No known significant effects or critical hazards.

**Carcinogenicity:** Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

**DEVELOPMENTAL INFORMATION:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

**OTHER:** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**MIXTURE TOXICITY:** Not available.

### ACUTE TOXICITY:

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zinc Phosphate (Dihydrate) Pigment	552mg/kg (rat)	2,090mg/kg (rabbit)	
1-Propoxy-2-propanol	>2,000 mg/kg (rat)	> 2,000mg/kg (rabbit)	8.34 mL/L (rat, 4hr)
Butyl benzyl phthalate	2,330 mg/kg (rat)	6,700 mg/kg (rabbit)	>7 mg/L (rat)
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	6,500 mg/kg (rat)	>15,200 mg/kg (rabbit)	

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## Section 12 - Ecological Information

### ENVIRONMENTAL EFFECTS:

Toxicity:

Component	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
1-Propoxy-2-propanol	EC50 (48 hr) Water flea > 100mg/L	EC50 (96 hr) Green algae = 1466 mg/L	LC50 (96 hr) Rainbow trout > 100 mg/L
Butyl benzyl phthalate	EC50 (48 hr) Water flea = 1.7 mg/L	EC50 (72 hr) Algae = 1.5 mg/L	LC50 (96 hr) Rainbow trout = 1.1 mg/L LC50 (96 hr) Fathead minnow = 1.5 ml/l
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	EC50 (48 hr) Water flea = 147.8 mg/L		LC50 (96 hr) FISH = 33 mg/L

## Section 13 - Disposal Considerations

Spent or discarded material is a hazardous waste. Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal Code: D001

## Section 14 - Transport Information

	DOT	IATA	IMDG	TDG
UN Number	Not Hazardous	Not Hazardous	Not Hazardous	Not Hazardous
UN proper shipping name	Rust Inhibitor/ Non-Hazardous	Rust Inhibitor/ Non-Hazardous	Rust Inhibitor/ Non-Hazardous	Rust Inhibitor/ Non-Hazardous
Transport hazard class(es)	Not Hazardous	Not Hazardous	Not Hazardous	Not Hazardous
Packing group	Not Hazardous	Not Hazardous	Not Hazardous	Not Hazardous

**SPECIAL PRECAUTIONS FOR USER:** Not available.

## Section 15 - Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory or exempt.

**Canadian DSL status:** All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

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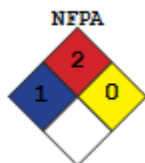
Chemical Name	CAS #	Regulation	Percent
Butyl benzyl phthalate	85-68-7	California Prop 65	1-5
Butyl benzyl phthalate	85-68-7	CERCLA	1-5
Zinc Compounds	7779-90-0	CERCLA	5-10
Zinc Compounds	7779-90-0	SARA 313	5-10

## Section 16 - Other Information

**HMIS:** Health = 1 Flammability = 2 Physical Hazard = 0 Personal Protection = D

**NFPA 704:** Health = 1 Flammability = 2 Instability = 0

HMIS	
Health	1
Flammability	2
Physical Hazard	0
Personal Protection	D



### 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

6/25/2015 - Original SDS version; approval JH