

Safety Data Sheet

MILSPRAY MIL-PRF-85285 Type I and Type IV Thinner

Revision Date: June 9, 2014

Section 1 - Manufacturer Identification

Product Name: MIL-PRF-85285 Type I and Type IV Thinner Component

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	3
Physical Hazard	0
Personal Protection	X



Section 2 - Hazards Identification

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS):

Flammable liquids (Category 2), H225

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

HAZARDS STATEMENTS:

Highly flammable liquid and vapor. May cause skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection.

IF ON SKIN (OR HAIR): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/ physician if you feel unwell.

Specific Treatment (see supplemental first aid instructions on this label). If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

Section 3 - Composition/Information on Ingredients

Chemical	CAS No.	Weight Percent
Acetone	67-64-1	70-90%
Parachlorobenzotrifluoride	98-56-6	10-15%
tert-Butyl Acetate	540-88-5	1-5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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Section 4 - First Aid Measures

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

EYES: Rinse thoroughly with plenty of water for at least 15 minutes.

SKIN: Wash off with soap and plenty of water. Consult a physician.

INGESTION: DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA

SUITABLE: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

NOT SUITABLE: Do not use water jet.

SPECIAL HAZARDS: Carbon oxides, Hydrogen chloride gas.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

PERSONAL PRECAUTIONS:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations.

Vapors can accumulate in low areas. For personal protection see section 8

ENVIRONMENTAL PRECAUTIONS:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

Section 7 - Handling and Storage

HANDLING:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

STORAGE:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Section 8 - Exposure Controls/Personal Protection

Chemical	OSHA Exposure Limits	ACGIH Exposure Limits
Acetone	750 ppm TWA 1000 ppm STEL	500 ppm TWA 750 ppm STEL
Parachlorobenzotrifluoride	NE	NE
tert-Butyl Acetate	200 ppm TWA	200 ppm TWA

ENGINEERING CONTROLS:

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

EYE AND FACE PROTECTION: Use face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

SKIN PROTECTION: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full Contact Material: butyl-rubber, nitrile rubber

Minimum layer thickness: 0.3mm Break through time: 20 minutes depending on concentration

Splash Contact Material: butyl-rubber, nitrile rubber

Minimum layer thickness: 0.3mm Break through time: 60 minutes depending on concentration

NOTE: This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by consumers. It should not be construed as offering an approval for any specific use scenario.

BODY PROTECTION: Impervious clothing, flame retardant antistatix protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

RESPIRATORY PROTECTION: Where risk assessment shows air-purifying respirators are appropriate use, a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under the appropriate government standards such as NIOSH (US) or CEN(EU).

ENVIRONMENTAL EXPOSURE CONTROLS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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Section 9 - Physical and Chemical Properties

PHYSICAL STATE: Liquid

COLOR: Clear.

ODOR: Not available.

pH: Not available.

FLASH POINT: Closed cup: -17°C (1.4°F)

BOILING POINT: 56°C (133°F)

MELTING POINT: -94°C (-137°F)

UPPER FLAMMABILITY OR EXPLOSIVE LIMITS: 13%(V)

LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: 2%(V)

AUTO-IGNITION TEMPERATURE: 465.0 °C (869.0 °F)

SPECIFIC GRAVITY: 1.09

DENSITY: 9.1 lbs/gal

VAPOR PRESSURE: 533.3 hPa (400.00 mmHg) at 39.5 °C (103.1 °F)
245.3 hPa (184.0 mmHg) at 20.0 °C (68.0 °F)

VAPOR DENSITY: Not available.

RELATIVE DENSITY: 0.8314 g/cm³ at 25 °C (77 °F)

Section 10 - Stability and Reactivity

STABILITY: Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID: Heat, flames and sparks. Extremes of temperature and direct sunlight.

MATERIALS TO AVOID: Bases, oxidizing agents, reducing agents, acetone reacts violently with phosphorous oxychloride.

HAZARDOUS DECOMPOSITION PRODUCTS: Other decomposition products.

HAZARDOUS REACTIONS: Vapors may form explosive mixture with air.

Section 11 - Toxicological Information

TARGET ORGANS: Contains material which causes damage to the following organs: brain, central nervous system (CNS). Contains material which may cause damage to the following organs: blood, lungs, peripheral nervous system, upper respiratory tract, skin, eye, lens or cornea, testes.

Section 12 - Ecological Information

TOXICITY TO AQUATIC INVERTEBRATES: 13,500.00 mg/l - 48h

Section 13 - Disposal Considerations

WASTE TREATMENT METHODS: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

CONTAMINATED PACKAGING: Dispose of as unused product.

Dispose material in accordance with all local, state, and federal regulations.

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Section 14 - Transport Information

DOT Shipping Name: Mixed Solvents**DOT Hazard Class:** 3**UN/NA Number:** UN1090**DOT Packing Group:** II**Reportable Quantity:** 5000 lbs**DOT Exemption Number:** N/A

Section 15 - Regulatory Information

SARA 311/312 SDS DISTRIBUTION - CHEMICAL INVENTORY - HAZARD IDENTIFICATIONS:

Chemical	CAS No.	Acute	Chronic	Fire	Reactive	Pressure
Acetone	67-64-1	Yes	Yes	Yes	No	No
Parachlorobenzotrifluoride	98-56-6	Yes	Yes	Yes	No	No
tert-Butyl acetate	540-88-5	Yes	Yes	Yes	No	No
Product as-supplied	N/A	Yes	Yes	Yes	No	No

U.S. FEDERAL REGULATIONS:**TSCA 8B:** All components of this product are listed on or are exempted.**SARA 302/304:** No products were found**CERCLA:** Hazardous substances: hexmethylene-di-isocyanate: 100 lbs. (45.4 kg); n-butyl acetate: 5000 lbs. (2270 kg);**SARA 313:** No products were found**CALIFORNIA PROP. 65:** No chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Other Information

Hazardous Material Information System (U.S.A.)

Health: *2 Flammability: 3 Physical Hazards: 0

National Fire Protection Association (U.S.A.)

Health: 2 Flammability: 3 Instability: 0

DISCLAIMER:

The foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. User should consult OSHA and other applicable safety laws and regulations before use.

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