

# Safety Data Sheet

MILSPRAY™ MIL-DTL-53022E-Type IV-Component B - Catalyst  
Revision Date: February 10, 2021

Contains NCP Coatings DynaSpec Catalyst Component MIL-DTL-53022E Type IV

## Section 1 - Manufacturer Identification

**Product Name:** MIL-DTL-53022E Type IV  
Component B - Catalyst

**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	1	2
Flammability	3		0
Physical Hazard	0		
Personal Protection	G		

## Section 2 - Hazards Identification

**CLASSIFICATION:** Acute Tox. 4, Flammable Liquid 3, Skin Corr. 1C, STOT SE

**GHS Signal Word:** Warning

### GHS HAZARD STATEMENTS:

- H225 Highly flammable liquid and vapor.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.



### GHS Precautions

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
- P342 + P313 If experiencing respiratory symptoms: Get medical advice / attention.
- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 (In case of inadequate ventilation) wear respiratory protection.
- P363 Wash contaminated clothing before reuse.
- P501 Dispose of contents/container in accordance with local/national/international regulations.
- P370 + P378 In case of fire: Use appropriate method to extinguish. See Section 5 of SDS.
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 Store in a well-ventilated place. Keep cool.

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## Section 3 - Composition/Information on Ingredients

Chemical	CAS No.	Weight Percent	GHS
Methyl Isoamyl Ketone	110-12-3	35-40%	H226 Flammable liquid and vapor. H332 Harmful if inhaled.
Bisphenol A Diglycidyl Ether	25036-25-3	25-30%	H317 May cause an allergic skin reaction.
*1-Butanol	71-36-3	18.88	H226 Flammable liquid and vapor. H302 Harmful if swallowed H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
1-Methoxy-2-Propanol	107-98-2	5-10%	H226 Flammable liquid and vapor. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H360 May Damage fertility or the unborn child.
Ethyleneamine Mixture	111-40-0	5-10%	H319 Causes serious eye irritation. H371 May cause damage to organs. H373 May cause damage to organs through prolonged or repeated exposure. Toxic if inhaled.

\* 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

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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.

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

**SYMPTOMS:** Severe eye, skin, and respiratory irritant.

**EFFECTS:** Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

## Section 5 - Fire Fighting Measures

**FLASH POINT:** 74°F(23°C) SETAFLASH CLOSED CUP

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

**UNSUITABLE EXTINGUISHING MEDIA:** Not available.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. 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.

**PRODUCTS OF COMBUSTION:** During combustion toxic vapors may be released. Under fire conditions, corrosive fumes and toxic vapors may be emitted.

**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 will float and may ignite on surface of water. 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.

**NFPA 704:** Health = 2 Flammability = 3 Instability = 0

## Section 6 - Accidental Release Measures

**PERSONAL PRECAUTIONS:** Not available.

**ENVIRONMENTAL PRECAUTIONS:** Avoid runoff into storm sewers and ditches which lead to waterways.

**METHODS OF CONTAINMENT:** Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent.

**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:** Eliminate ignition sources. Avoid large exposures to vapors.

## Section 7 - Handling and Storage

**PRECAUTIONS FOR SAFE HANDLING:** Use only in a well-ventilated area. Avoid breathing vapor, fumes,

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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.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** 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

Chemical	OSHA Exposure Limits	ACGIH Exposure Limits
Methyl Isoamyl Ketone	PEL 50 PPM TWA	TLV 50 PPM TWA
Bisphenol A Diglycidyl Ether	PEL: 15 mg/m <sup>3</sup> TWA	TLV: 10 mg/m <sup>3</sup> TWA
*1-Butanol	PEL 50ppm TWA	TLV 50ppm TWA
1-Methoxy-2-Propanol	PEL 100 PPM TWA	TLV 100 PPM TWA
Ethyleneamine Mixture	PEL 1ppm TWA	TLV 1ppm TWA

NE= Not Established

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

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.

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

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

**HYGIENE:** 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

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**PHYSICAL STATE:** Liquid

**ODOR:** Typical

**ODOR THRESHOLD:** Not determined.

**pH:** Not determined.

**BOILING POINT:** 144.0 F

**FLASH POINT:** 90°F(32°C) SETAFLASH CLOSED CUP

**FLAMMABILITY LIMITS:** 1.05 to 16.1

**VAPOR PRESSURE:** Not determined.

**VAPOR DENSITY:** Heavier than air.

**SPECIFIC GRAVITY:** 0.9242999

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

**VOC EPA METHOD 24:** 5.0039977 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 reactive metals, acids, peroxides, and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During thermal decomposition, toxic gasses, corrosive gasses, and nitrogen oxides 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

**EYE:** Causes severe 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 disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

**TARGET ORGANS:** Not available.

**CANCER INFORMATION:** Not available.

**CARCINOGENICITY:** Not available.

**DEVELOPMENTAL INFORMATION:** Not available.

**MIXTURE TOXICITY:** Not available.

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

CAS Number	Test
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110-12-3	Oral LD50 (Rat) :>5.658 mg/kg Dermal LD-50 (Guinea Pig) :>10mg/kg NOEL (Rat, Oral Study,90d): 200 ppm
25036-25-3	Oral: Rat LD50: > 2.000 mg/kg Dermal: Rat LD50: > 2,000mg/kg,
71-36-3	Oral LD50:>790 mg/kg Dermal LD50:>3400mg/kg Vapor LC50:20mg/l
107-98-2	Oral LD50:>4016mg.kg Dermal LD50:>2000mg/kg Vapor LC50:>27.596mg/l
111-40-0	Oral LD50:>12565mg/kg Dermal LD50:>13330mg/kg Vapor LC50:>4.4mg/l

## Section 12 - Ecological Information

**ENVIRONMENTAL EFFECTS:** Information not available on mixture. Information on individual components is listed below if available.

CAS Number	Test
110-12-3	LC-50 (Fish, 96h): 159 mg/l, EC-50 (Alga, 72H):>100mg/l (highest concentration tested), 67% (28d, Ready Biodegradability: Closed Bottle Test) Readily Biodegradable
25036-25-3	No information available.
71-36-3	No information available.
107-98-2	No information available.
111-40-0	No information available.

## Section 13 - Disposal Considerations

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

## Section 14 - Transport Information

**DOMESTIC (USDOT):**

Proper Shipping Name: Paint Related Material  
Hazard Class: 3  
Packing Group: III  
Quantity: Not applicable.  
UN Number: 1263

## 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:** Yes

**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 = 3 Reactivity = 0 Personal Protection = G

**NFPA 704:** Health = 1 Flammability = 3 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.