

**FUJIFILM****Material Number / Product Name:**

Surface Coat Part B

**Associated Product Codes / Catalog Numbers:****1 PRODUCT AND COMPANY IDENTIFICATION****Distributed by:**

FUJIFILM Hunt Smart Surfaces, LLC  
40 Boroline Road  
Allendale, New Jersey 07401-0320

**Emergency Telephone (24 Hrs.):**

Transport-CHEMTREC inside NA: 800-424-9300  
Transport-CHEMTREC outside NA: 703-527-3887  
Medical-PROSAR inside NA: 877-935-7387

**Non-emergency Telephone:**

800-473-3854

**MSDS are available at:**<http://www.fujihuntusa.com/>**Intended Use:** Fouling release coating**2 HAZARDS IDENTIFICATION****Emergency Overview****Physical State:** Liquid**Color:** No data available.**Odor:** Hydrocarbon**WARNING!**

Harmful or fatal if swallowed. Can enter lungs and cause damage. Causes skin and eye irritation.  
Flammable liquid and vapor.

**Potential Health Effects**

**Inhalation:** May cause lung damage. In high concentrations, vapors are narcotic and may cause headache, fatigue, dizziness and nausea.

**Eye Contact:** Causes eye irritation. May cause redness and pain.

**Skin Contact:** Irritating to skin. Defats the skin. Prolonged contact may cause dryness of the skin. Repeated exposure to hydrocarbons can cause dermatitis.

**Ingestion:** Harmful or fatal if swallowed. Swallowing of hydrocarbons can cause lung damage.

**Chronic Health Effects:** Danger of adverse health effects by prolonged exposure. May cause central nervous system effects. May cause damage to the liver and kidneys. Contains a substance which is listed by ACGIH as A3 (Confirmed Animal Carcinogen).

**Target Organ(s):** | Eye | Skin | Kidney | Liver | Lung | Central nervous system.

**Potential Physical / Chemical Effects:** FLAMMABLE.

**OSHA Regulatory Status:** When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

**Environment:** Not regarded as an environmental hazard under current legislation.

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS-No.	Concentration*
†VM&P Naptha	8032-32-4	80 - 100%
†DBT Tin catalyst	77-58-7	1 - 5%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

† This chemical is hazardous according to OSHA/WHMIS criteria.

<b>4</b>	<b>FIRST AID MEASURES</b>
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**General:** Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

**Inhalation:** Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Skin Contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

**Ingestion:** Drink plenty of water. Get immediate medical attention.

<b>5</b>	<b>FIRE-FIGHTING MEASURES</b>
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**Extinguishing Media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Special Fire Fighting Procedures:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Unusual Fire & Explosion Hazards:** None known.

**Hazardous Combustion Products:** Carbon Dioxide, Carbon Monoxide, Formaldehyde, Hydrocarbons

<b>6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**Personal Precautions:** Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

**Spill Cleanup Methods:** Absorb spillage with non-combustible, absorbent material. Remove sources of ignition. For waste disposal, see section 13 of the MSDS.

**Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.

**Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

<b>7</b>	<b>HANDLING AND STORAGE</b>
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**Handling:** Avoid contact with skin and eyes. Avoid breathing mists or vapors. Wear protective gloves and appropriate clothing to prevent skin contact. Wash at the end of each work shift and before eating, smoking and using the toilet. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Observe good industrial hygiene practices.

**Storage:** Follow rules for flammable liquids. Store in a cool and well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.

<b>8</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Exposure Limits:**

Chemical Name	Source	Type	Exposure Limits	Notes
DBT Tin catalyst	ACGIH	TWA	0.1 mg/m <sup>3</sup>	Skin, as Sn
DBT Tin catalyst	ACGIH	STEL	0.2 mg/m <sup>3</sup>	Skin, as Sn
DBT Tin catalyst	NIOSH Guide	IDLH	25 mg/m <sup>3</sup>	
DBT Tin catalyst	US. OSHA Table Z-1	TWA	0.1 mg/m <sup>3</sup>	as Sn
VM&P Naptha	ACGIH	TWA	300 ppm	

Consult Canadian Provincial Regulations and/or Mexican Regulations on exposure limits, if applicable.

**Engineering Controls:** Use explosion-proof ventilation equipment. Observe Occupational Exposure Limits and minimize the risk of inhalation. Provide shower facilities near the work place. Observe good industrial hygiene practices.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: High-efficiency particulate respirator.

**Eye Protection:** Wear approved safety goggles.

**Hand Protection:** Wear chemical-resistant gloves. Contact glove manufacturer for specific information. Suitable gloves can be recommended by the glove supplier.

**Skin Protection:** Apron and long sleeves are recommended.

**Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental Exposure Controls:** Environmental manager must be informed of all major spillages.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Color:** No data available.

**Odor:** Hydrocarbon

**Odor Threshold:** No data available.

**Physical State:** Liquid

**pH:** Not applicable

**Melting Point:** Not applicable.

**Freezing Point:** No data available.

**Boiling Point:** >127°C (261°F)

**Flash Point:** 19°C (65°F)

**Evaporation Rate:** <1 (Ether = 1)

**Flammability Limit - Upper (%):** No data available.

**Flammability Limit - Lower (%):** No data available.

**Vapor Pressure:** 5 mmHg @20°C

**Vapor Density (Air=1):** > 1

**Specific Gravity:** 0.7 - 0.8

**Solubility in Water:** Insoluble in water

**Solubility (Other):** Not applicable.

**Partition Coefficient (n-Octanol/water):** No data available.

**Autoignition Temperature:** No data available.

**Decomposition Temperature:** No data available.

**Volatile Organic Compounds (VOC):** 92 %w

**Viscosity:** No data available.

**Percent Volatile:** 92 %w

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Stability:** Stable under normal temperature conditions

**Conditions to Avoid:** Excessive heat. Ignition sources.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** None known.

**Possibility of Hazardous Reactions:** Will not occur.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**Specified Substance(s)**

**Acute Toxicity:**

Component Chemical Name	Test Results
DBT Tin catalyst	Oral LD50 (Rat): 175 mg/kg
VM&P Naptha	Inhalation LC50 (Rat): 3400 ppm

**Listed Carcinogens:**

Chemical Name	IARC	NTP	OSHA	ACGIH
DBT Tin catalyst	Not Listed	Not Listed	Not Listed	A4
VM&P Naptha	Not Listed	Not Listed	Not Listed	A3

IARC: 1 = Carcinogenic to Humans; 2A = Probably Carcinogenic to Humans; 2B = Possibly Carcinogenic to Humans; 3 = Not classifiable as to carcinogenicity to humans; 4 = Probably not carcinogenic to humans; Not listed = Not evaluated by IARC. ACGIH: A1 = Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Confirmed Animal Carcinogen; A4 = Not classifiable as a human carcinogen; A5 = Not suspected to be a human carcinogen; Not listed = Not evaluated by ACGIH.

**Product Information**

**Other Acute:** Harmful if swallowed. Swallowing of hydrocarbons can cause lung damage. Causes skin and eye irritation. Defats the skin.

**Chronic Toxicity:** Repeated exposure to hydrocarbons can cause dermatitis. May cause central nervous system effects. Contains a substance which is listed by ACGIH as A3 (Confirmed Animal Carcinogen).

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:** No data available.

**Mobility:** The product is insoluble in water.

**Persistence and Degradability:** No data available.

**Bioaccumulation Potential:** No data available

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**General Information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal Instructions:** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

**RCRA Information:** D001

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT**

**UN No.:** UN1268

**Proper Shipping Name:** Petroleum distillates, n.o.s. (Mixture)

**Class:** 3

**Packing Group:** II

**Label(s):** 3

**TDG****UN No.:** UN1268**Proper Shipping Name:** PETROLEUM DISTILLATES, N.O.S. (Mixture)**Class:** 3**Packing Group:** II**IATA****UN No.:** UN1268**Proper Shipping Name:** Petroleum distillates, n.o.s. (Mixture)**Class:** 3**Packing Group:** II**Label(s):** Flamm. liquid**IMDG****UN No.:** UN1268**Proper Shipping Name:** PETROLEUM DISTILLATES, N.O.S. (Mixture)**Class:** 3**Packing Group:** II**EmS No.:** F-E, S-E

<b>15</b>	<b>REGULATORY INFORMATION</b>
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**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** B2, D2A, D2B

**Mexican Dangerous Statement:** This is a Mexican "dangerous" product.

**Inventory Status**

**This product or all components are listed on the following inventory:** TSCA, DSL

**US Regulations**

**CERCLA Hazardous Substance List (40 CFR 302.4):** None

**SARA Title III**

**Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):** None

**Section 311/312 (40 CFR 370):**

Acute (Immediate)     Chronic (Delayed)     Fire     Reactive     Pressure Generating

**Section 313 Toxic Release Inventory (40 CFR 372):** None

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** None

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None

**Drug Enforcement Act:** None

**TSCA:** No component is listed on TSCA Sections 4(a), 5(a)(2), 5(e) or 12(b).

**State Regulations****Massachusetts Right-To-Know List:** None**Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)):** None**Minnesota Hazardous Substances List:** DBT Tin catalyst; VM&P Naptha**New Jersey Right-To-Know List:** DBT Tin catalyst; VM&P Naptha**Pennsylvania Right-To-Know List:** VM&P Naptha**Rhode Island Right-To-Know List:** DBT Tin catalyst**16 OTHER INFORMATION****HAZARD RATINGS**

	Health Hazard	Fire Hazard	Instability	Special Hazard
<b>NFPA</b>	2	3	0	--

	Health Hazard	Flammability	Physical Hazard	Personal Protection
<b>HMIS</b>	2*	3	0	C

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe \*- Chronic Health Effect

Personal Protection codes: B - Safety Glasses, Gloves

**Issue Date:** 18-May-2007**Supersedes Date:** 20-Apr-2007**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.