

MATERIAL SAFETY DATA SHEET

(Essentially similar to Form OSHA-20)

Fontana Paper Mills, Inc.

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Fontana Paper Mills Phone Number: (909) 823-4100

Product Identification	Trade Name: Vulca Seal Organic Base #40 Generic Name: Not applicable Chemical Name: Not applicable Chemical Family: Not applicable Synonyms: Not applicable																
Hazardous Ingredients	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>CAS No.</th> <th>%</th> <th>Limit, Type</th> </tr> </thead> <tbody> <tr> <td>Asphalt</td> <td>8052-42-4</td> <td>40</td> <td>5 mg/m³ ACGIH, TLV</td> </tr> <tr> <td>Copper</td> <td>7440-50-8</td> <td>–</td> <td>1 mg(cu)/m³ fume</td> </tr> <tr> <td>Nickel</td> <td>7440-02-0</td> <td>–</td> <td>1 mg/cum</td> </tr> </tbody> </table>	Ingredient	CAS No.	%	Limit, Type	Asphalt	8052-42-4	40	5 mg/m ³ ACGIH, TLV	Copper	7440-50-8	–	1 mg(cu)/m ³ fume	Nickel	7440-02-0	–	1 mg/cum
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Physical Data	<p>Appearance and Odor: Solid, asphalt coated paper, petroleum product odor.</p> <table border="1"> <tbody> <tr> <td>Melting Point: Not applicable</td> <td>Solubility (H₂O): Insoluble</td> </tr> <tr> <td>Boiling Point: Not applicable</td> <td>pH: Not applicable</td> </tr> <tr> <td>Vapor Pressure: Not applicable</td> <td>Specific Gravity: Not applicable</td> </tr> <tr> <td>% Volatile (vol.): Not applicable</td> <td>API Gravity: Not applicable</td> </tr> <tr> <td>Vapor Density: Not applicable</td> <td>Viscosity: Not applicable</td> </tr> <tr> <td>Evaporation Rate: Not applicable</td> <td></td> </tr> </tbody> </table>	Melting Point: Not applicable	Solubility (H₂O): Insoluble	Boiling Point: Not applicable	pH: Not applicable	Vapor Pressure: Not applicable	Specific Gravity: Not applicable	% Volatile (vol.): Not applicable	API Gravity: Not applicable	Vapor Density: Not applicable	Viscosity: Not applicable	Evaporation Rate: Not applicable					
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Fire and Explosion Data; NFPA Standard 704 Ratings	<table border="1"> <tbody> <tr> <td>Flash Point (TCC): >450 F</td> <td>NFPA Ratings:</td> </tr> <tr> <td>Lower Flam. Limit: Negligible</td> <td>Health 1</td> </tr> <tr> <td>Upper Flam. Limit: Negligible</td> <td>Fire 1</td> </tr> <tr> <td>Autoignition Temp.: >450 F</td> <td>Reactivity 0</td> </tr> </tbody> </table> <p>Fire & Explosion Hazards: This material can ignite and burn when heated above its flash point. Material will not burn unless preheated.</p> <p>Products of Combustion: Carbon dioxide, carbon monoxide, hydrocarbons, and dense, black smoke.</p> <p>Extinguishing Media: Carbon dioxide, dry chemical, foam, or water spray.</p> <p>Fire Fighting Procedures: Wear protective equipment and clothing. Use a self-contained breathing apparatus for fire in enclosed spaces. Use water spray to dilute and disperse vapors, protect personnel, and to flush unignited material spills away from fire.</p>	Flash Point (TCC): >450 F	NFPA Ratings:	Lower Flam. Limit: Negligible	Health 1	Upper Flam. Limit: Negligible	Fire 1	Autoignition Temp.: >450 F	Reactivity 0								
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Health Hazard Information; Protective Equipment Recommended

General Effects of Overexposure: Primary route of exposure is eye contact. No chronic effects are expected due to exposure associated with this material or its components during normal use.

Eye Contact: Direct contact or exposure to fumes which may be generated at high temperatures may cause burning, tearing, and redness. Goggles or safety glasses are recommended.

Skin Contact: Prolonged skin contact is essentially non-irritating to skin. No adverse health effects are expected from skin contact.

Inhalation: Exposure to fumes which may be generated at high temperatures may irritate the nose, throat, and upper respiratory tract.

Ingestion: Accidentally swallowing this material may cause irritation of the stomach and intestinal tract. Ingestion is not a likely route of exposure to this product.

Emergency & First Aid Information

Eye Contact: Flush the affected eye(s) with water. If irritation develops, seek medical attention.

Skin Contact: Wash skin thoroughly with soap and water. If irritation develops seek medical attention.

Inhalation: Move away from exposure to fumes and into fresh air. If symptoms of exposure develop, seek medical attention.

Ingestion: If victim is conscious and alert, give milk or water to drink and seek medical attention.

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Chemical Reactivity Information	Stability: Stable under normal conditions of storage and handling.
	Reactivity: May react with strong oxidizing agents.
	Incompatibility: May be incompatible with strong oxidizing agents.
	Hazardous Reaction/Decomposition Products: Burning produces carbon dioxide, carbon monoxide, and dense, black smoke.
	Polymerization Hazards: This material will not polymerize.
Storage & Handling Procedures	Routine Handling & Use: Avoid breathing mists or fumes generated when this material is heated or burned. Avoid eye contact. Wash thoroughly after handling.
	Non-Routine Handling & Use: Not applicable.
	Storage: No special storage precautions needed.
Spill, Leak and Disposal Procedures	General Spill or Leak Procedures: All materials should be handled and transported off-site in accordance with federal, state, and local regulations.

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**Regulatory
Information****SARA Section 313 Notification:** Asphalt (CAS# 8052-42-4)**VOC Content, Material:** 0**VOC Content, Less Water:** 0**Clean Air Act Ozone Depleter:** None listed**DOT Proper Shipping Name:** Not regulated**DOT Hazard Class:** None**40 CFR 355 Reportable Quantity:** None listed**49 CFR 171 Reportable Quantity:** None listed**California Proposition 65:** Warning: This product contains the following chemicals known by the state of California to cause cancer:

Acetaldehyde (CAS# 75-07-0)

Arsenic (CAS# 7440-38-2)

Asphalt (bitumens) (CAS# 8052-42-4)

Benzene (CAS# 71-43-2)

Benz(a)anthracene (CAS# 56-55-3)

Benz(a)pyrene (CAS# 50-32-8)

Benz(b)flouranthene (CAS# 205-99-2)

Benz(e)pyrene

Benz(k)flouranthene (CAS# 207-08-9)

Butadiene(1,3-) (CAS# 106-99-0)

Cadmium (CAS# 7440-43-9)

Chloroethane (CAS# 75-00-3)

Chrysene (CAS# 218-01-9)

Crystalline silica (airborne particles of respirable size)

Di(2-ethylhexyl)phthalate (CAS# 117-81-7)

Dibenz(a,h)anthracene

Formaldehyde (CAS# 50-00-0)

Glass wool fibers (airborne particles of respirable size)

Indeno(1,2,3-cd)pyrene (CAS# 193-39-5)

Lead (CAS# 7439-92-1)

Naphthalene (CAS# 91-20-3)

Nickel (CAS# 7440-02-0)

Toluene (CAS# 108-88-3)

Vinyl chloride (CAS# 75-01-4)

Prepared by: JE Compliance Services, Inc.**Date:** 5 October 2004