Nikro 860420, FOSTER 40-20, ANTIMICROBIAL COATING



Model Number: 860420

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Manufacturer: Nikro

FOSTER 40-20 ANTIMICROBIAL COATING

This EPA registered fungicidal coating prevents the re-growth and spread of molds and odor causing bacteria on walls, ceilings, pipes and HVAC duct systems. (Color is white.)

MATERIAL SAFETY DATA SHEET

REVISION DATE: 11-16-2010 SUPERSEDES: 05-07-2010
SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
COMPANY INFORMATION
H.B. Fuller Construction Products Inc.
(formerly Specialty Construction Brands, Inc.
An H.B. Fuller Company)
1105 S. Frontenac Street
Aurora, IL 60504
Phone: 1-800-323-7407
Medical Emergency Phone Number (24 Hours): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300
PRODUCT INFORMATION
PRODUCT NUMBER: FOSTER 40-20
PRODUCT DESCRIPTION: Coating
PRODUCT IDENTIFIER: 827566PM
SECTION 2: HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW
PHYSICAL STATE: Liquid
COLOR: White
ODOR: Mild Sweet
POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY
EYE: Can cause minor irritation, tearing and reddening.
SKIN: Can cause minor skin irritation, defatting, and dermatitis.
INHALATION: Can cause minor respiratory irritation. Inhalation of dusts produced during cutting, grinding or
sanding of this product may cause irritation of the respiratory tract.
Overexposure to barium dust/fume may cause baritosis.
This product contains one or more materials that may be hazardous when present as an airborne dust. During normal
handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once
the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.
INGESTION: Ingestion is not an anticipated route of exposure. No hazard in normal

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industrial use.
LONG-TERM (CHRONIC) HEALTH EFFECTS
TARGET ORGAN(S): Lungs
REGULATED CARCINOGEN STATUS:
Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed
carcinogens.
Titanium dioxide
EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
Chemical Name CAS # PERCENT
Aluminum hydroxide 21645-51-2 10 - 30
Barium compound 13701-59-2 5 - 10
Calcium carbonate 471-34-1 5 - 10
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Titanium dioxide 13463-67-7 5 - 10
Zinc oxide 1314-13-2 1 - 5
Mineral oil 64742-46-7 0.1 - 1
Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard
Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous
Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.
SECTION 4: FIRST AID MEASURES
IF IN EYES: Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the
affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated
eye. Seek medical advice after flushing.
IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.
IF VAPORS INHALED: Remove to fresh air. Call a physician if symptoms persist.
IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care
provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing
chemical pneumonitis that may be fatal.
SECTION 5: FIRE FIGHTING MEASURES
FLASH POINT: Non flammable
AUTOIGNITION TEMPERATURE: Not established
LOWER EXPLOSIVE LIMIT (% in air): Not established
UPPER EXPLOSIVE LIMIT (% in air): Not established
EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure buildup in closed containers

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when heated. Water spray may be used to cool the containers.
SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear selfcontained
breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide Metal fumes
SECTION 6: ACCIDENTAL RELEASE MEASURES
SPECIAL PROTECTION: No adverse health effects expected from the clean-up of spilled material.
Follow personal protective equipment recommendations found in Section 8 of this MSDS.
CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers
for disposal. Keep spilled product out of sewers, watersheds, or water systems.
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300
SECTION 7: HANDLING AND STORAGE
Handling: No special handling instructions due to toxicity.
Storage: Store in a cool, dry place.
Consult the Technical Data Sheet for specific storage instructions.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
EYE PROTECTION: Wear safety glasses when handling this product.
SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves.
GLOVES: Not normally required. Use nitrile gloves if conditions warrant.
RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when
handling this product. Use a respirator if general room ventilation is
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not available or sufficient to eliminate symptoms.
Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.
EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	OSHA PEL
Aluminum hydroxide	Not established	Not established
Barium compound	Not established	Not established
Calcium carbonate	Not established	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 TWA total dust
Zinc oxide	2 mg/m3 TWA respirable fraction 10 mg/m3 STEL respirable fraction	5 mg/m3 TWA fume; 15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
Mineral oil	Not established	5 mg/m3 TWA (as mist)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: Liquid
COLOR: White
ODOR: Mild Sweet
ODOR THRESHOLD: Not established
WEIGHT PER GALLON (lbs.): 11.9
SPECIFIC GRAVITY: 1.43
SOLIDS (% by weight): 67.4
pH: Not established
FLASH POINT: Non flammable
BOILING POINT (deg. C): Not established
FREEZING/MELTING POINT (deg. C): Not established
VAPOR PRESSURE (mm Hg): Not established
VAPOR DENSITY: Not established
EVAPORATION RATE: Not established
OCTANOL/WATER COEFFICIENT: Not established
VOC, weight percent 2.19
VOC, EPA Method 24 (theoretically determined) 31.4g/liter of material
VOC, EPA Method 24, less water and exempt solvents
(theoretically determined)
35.3g/liter of material
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VOC, EPA Method 24 (analytically determined) 41.94g/liter of material
SECTION 10: STABILITY AND REACTIVITY
STABILITY: Stable under normal conditions.
CHEMICAL INCOMPATIBILITY: Not established
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide
Metal fumes
SECTION 11: TOXICOLOGICAL INFORMATION
COMPONENT LD50/LC50
Aluminum hydroxide Not established
Barium compound Not established
Calcium carbonate Oral LD50 Rat = 6450 mg/kg
Titanium dioxide Not established
Zinc oxide Oral LD50 Mouse > 950 mg/kg
Inhalation LC50 Mouse = 2500 mg/cu m (no duration specified)
Mineral oil Not established
TOXICOLOGY SUMMARY: No additional health information available.
SECTION 12: ECOLOGICAL INFORMATION
OVERVIEW: No ecological information available
SECTION 13: DISPOSAL CONSIDERATIONS
To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA
Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or
provincial authorities for more restrictive requirements.

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SECTION 14: TRANSPORTATION INFORMATION
Consult Bill of Lading for transportation information.
DOT: NOT REGULATED
IATA: NOT REGULATED
SECTION 15: REGULATORY INFORMATION
INVENTORY STATUS
U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's
Inventory requirements.
CANADIAN CEPA DSL: This product contains a component that is not on the DSL. If you are the
importer of this product into Canada, contact H.B. Fuller for chemical
tracking and notification information.
EUROPEAN EINECS: As a result of the introduction of REACH into Europe, this product cannot be
imported into Europe unless the REACH requirements are met.
If you need more information about the inventory status of this product call
651-236-5858.
This product may contain chemical substances that are regulated for export by various government agencies (such as
the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement
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This MSDS is not prepared for distribution in California.

Availability: This product was added to our catalog on Wednesday 10 March, 2010