

**SAFETY DATA SHEET**

REVISION DATE: 04-07-2016

SUPERSEDES: 01-27-2016

**SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER****PRODUCT INFORMATION**

PRODUCT: FOSTER 40-90  
PRODUCT DESCRIPTION: Disinfectant  
INTENDED USE: Cleaner  
PRODUCT IDENTIFIER: 827822PM

**COMPANY INFORMATION**

H.B. Fuller Construction Products Inc.  
1105 S. Frontenac Street  
Aurora, IL 60504  
Phone: 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758  
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

**SECTION 2: HAZARDS IDENTIFICATION****GHS Hazard Symbols:****GHS Signal Word:** Danger**GHS Classification:** Skin Corrosion/Irritation Category 1A; Serious Eye Damage/Eye Irritation Category 1; Hazardous to the aquatic environment - Acute Category 2**GHS Hazard Phrases:** Causes severe skin burns and eye damage.; Toxic to aquatic life.**GHS Precautions:****Safety Precautions:** Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.**First Aid Measures:** IF SWALLOWED: rinse mouth. Do NOT induce vomiting. 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. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.**Storage:** Store locked up.**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS #	PERCENT	Classification	Note
Quaternary ammonium compound	68424-95-3	1 - 5	Aquatic Acute 1; H400 Acute Tox. 4; H312 Acute Tox. 4; H302	

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			Skin Corr. 1B; H314
Polyethoxylate nonylphenol	127087-87-0	1 - 5	Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315
Sodium edetate	64-02-8	1 - 5	Acute Tox. 4; H302 Eye Dam. 1; H318
Ethyl alcohol	64-17-5	1 - 5	Eye Irrit. 2; H319 Flam. Liq. 2; H225
Dimethyldioctylammonium chloride	5538-94-3	0.1 - 1	Aquatic Acute 1; H400 Acute Tox. 4; H302 Skin Corr. 1B; H314

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:** None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

**IF ON SKIN:** Wash with soap and water.

**IF INHALED:** Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

**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**

**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 when heated. Water spray may be used to cool the containers.

**SPECIAL FIRE FIGHTING INSTRUCTIONS:**

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon dioxide, Carbon monoxide Chlorine containing gases  
Nitrogen containing gases

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**SPECIAL PROTECTION:**

Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, and the area in which the spill occurred. Never exceed any occupational exposure limits.

**METHODS FOR 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

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**SECTION 7: HANDLING AND STORAGE**

Handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Storage: Store in a cool, dry place. Protect from freezing.  
Consult the Technical Data Sheet for specific storage instructions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
Ethyl alcohol		No data available. 1000 ppm STEL	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA

**ENGINEERING CONTROL METHODS:**

VENTILATION: General room ventilation might be required under normal conditions of use.

EYE PROTECTION: Wear safety glasses when handling this product.

SKIN PROTECTION: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

GLOVES: Butyl rubber

RESPIRATORY PROTECTION: No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

COLOR: Light Green

ODOR: Fragrant

ODOR THRESHOLD: Not established

pH: 12.8

FREEZING/MELTING POINT (deg. C): Not established

BOILING POINT (deg. C): Not established

FLASH POINT: Non flammable

EVAPORATION RATE: Not established

FLAMMABILITY: Not a flammable solid or gas

UPPER EXPLOSIVE LIMIT (% in air): Not established

LOWER EXPLOSIVE LIMIT (% in air): Not established

VAPOR PRESSURE (mm Hg): Not established

VAPOR DENSITY: Not established

WEIGHT PER GALLON (lbs.): 8.42

SPECIFIC GRAVITY: 1.010

SOLUBILITY: Not established

OCTANOL/WATER COEFFICIENT: Not established

AUTOIGNITION TEMPERATURE: Not established

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DECOMPOSITION TEMPERATURE: Not established  
 VISCOSITY: No data available.  
 SOLIDS (% by weight): 10.5  
 VOC, weight percent 1.30

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions.  
 CHEMICAL INCOMPATIBILITY: Not established  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen containing gases Chlorine containing gases  
 Carbon monoxide, carbon dioxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Component Toxicity / Toxicology Data:**

COMPONENT NAME	LD50/LC50
Polyethoxylate nonylphenol	Oral LD50 Rat 1,310 mg/kg
Sodium edetate	Oral LD50 Rat 1,658 mg/kg

**This product is a mixture. Unless noted, the information below is based on components.**

Skin corrosion / irritation: No irritation hazard in normal industrial use.

Serious eye damage / irritation :Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

Respiratory / skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity-single exposure: No data available.

Respiratory irritation / Narcotic effects: No data available.

Specific target organ toxicity-repeated exposure: No data available.

Target organs potentially affected by exposure: Blood Liver Central nervous system

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Liver disease, Blood disorders (like anemia)

**SECTION 12: ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available for this product.  
 MOBILITY: No data available.  
 PERSISTENCE: No data available.  
 BIOACCUMULATION: No data available.

**This product has not been tested for ecological effects. Relevant information for components is listed below:**

Component:	Ecotoxicity values:
Sodium edetate	Acute Toxicity (Fish): 96 Hr LC50 Lepomis macrochirus: 41 mg/L [static]; 96 Hr LC50

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	Pimephales promelas: 59.8 mg/L [static] <b>Acute Toxicity (Daphnia):</b> Not established <b>Acute Toxicity (Algae):</b> 72 Hr EC50 Desmodesmus subspicatus: 1.01 mg/L
Ethyl alcohol	<b>Acute Toxicity (Fish):</b> 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static] <b>Acute Toxicity (Daphnia):</b> 48 Hr EC50 Daphnia magna: 2 mg/L [Static] <b>Acute Toxicity (Algae):</b> Not established

#### 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.

#### SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

US DOT:	UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, II
IATA:	UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, II
IMDG:	UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, II

#### 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:	The components of this product are included on the DSL or are exempt from DSL requirements.
EUROPEAN REACH:	As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
AUSTRALIA AICS:	This product is in compliance with the Australian Inventory of Chemical Substances requirements.
KOREAN TCCL:	This product is in compliance with the Korean Existing Chemicals List requirements.

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 Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at [reg.request@hbfuller.com](mailto:reg.request@hbfuller.com) to request an export review.

##### FEDERAL REPORTING

###### EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Ammonia containing compounds	68424-85-1	1 - 5

This includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10% of total aqueous ammonia is reportable.

##### STATE REPORTING

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Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List	CAS	Percent
Formaldehyde (Carcinogen)	50-00-0	0.001 - 0.01
1,4-Dioxane (Carcinogen)	123-91-1	< 10 ppm

**Substances of Very High Concern (SVHC) Content:**

Unless listed below, this product does not contain SVHC's at 0.1% or greater, as of the version date of this SDS.

4-Nonylphenol, branched, ethoxylated

**SECTION 16: OTHER INFORMATION**

SDS VERSION DATE: 04-07-2016

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 3 FLAMMABILITY -- 0 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

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