



H.B. Fuller

**H.B. Fuller Company
1200 Willow Lake Boulevard
St. Paul, Minnesota 55110-5101
Telephone: (651) 236-5900**

Correspondence to:
**P.O. Box 64683
St. Paul, Minnesota 55164-0683**

March 27, 2020

To Whom It May Concern:

I am pleased to respond to your request for certifications regarding the regulatory status of our product: **Foster First Defense™ 40-80**.

Foster First Defense™ 40-80 is an EPA registered, waterbased, quaternary ammonium chloride disinfectant. The EPA registration number is 6836-152-63836. While we are unable to disclose the full composition of this product in accordance with federal confidential business information policies, please feel free to reference the attached EPA label, SDS, and TDS for additional information. The EPA label lists the active ingredients, per EPA regulations. The inert ingredients have been reviewed and approved by the EPA for use in this product.

I hope this information is helpful. If you have any questions or require additional information, please feel free to contact me at reg.request@hbfuller.com.

Sincerely,

A handwritten signature in black ink that reads "Hanna Gustafson".

Hanna Gustafson
H.B. Fuller Company
Americas Regulatory Stewardship



First Defense®

40-80™

Foster® First Defense® delivers non-acid disinfectant and cleaning performance. Use on washable hard, non-porous surfaces of tables, non-wooden picnic tables, countertops, floors, walls, coils and drain pans of air conditioning and refrigeration equipment and heat pumps and hard, non-porous surfaces made of metal, stainless steel, fiberglass (shower stalls or sinks), finished woodwork, upholstery, vinyl and plastic.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the container or label with you when calling a poison control center or doctor, or going for treatment.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL (Household/Residential)

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

STORAGE AND DISPOSAL (Commercial/Institutional/Industrial)

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Open dumping is prohibited. Store in original container in areas inaccessible to children. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Before use in a federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

TO CLEAN AND DEODORIZE: Apply undiluted to surfaces with a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

WATER DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME, INSTITUTIONAL, INDUSTRIAL, AND HOSPITAL USE (Not for use in California). This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, subfloors, drywall, trim, and frame lumber, tackless strip and paneling. Saturate the affected materials with enough product to remain wet for at least 10 minutes.

Sewer Back up and River Flooding: During mitigation procedures remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a coarse spray device before and after cleaning and extraction. **Carpets, Carpet Cushion and Other Porous Materials such as Subfloors, Drywall, Trim and Frame Lumber, Tackless Strip and Paneling:** For water damage from a clean source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Saturate all affected areas with a coarse spray device. Roll, brush or agitate into the materials and allow the materials to remain wet for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: Use this product in industrial and institutional areas such as homes, motels, hotels, nursing homes, schools and hospitals. Use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness. Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the manufacturer's directions.

Disinfectant

Cleaner • Fungicide • Mildewstat • Virucide* • Deodorizer For Home, Hospital, Institutional and Industrial Use

- One-step disinfectant cleaner is effective against a broad spectrum of bacteria, is virucidal*, fungicidal and inhibits the growth of mold and mildew, when used as directed.
- Use to remove odors caused by flooding and smoke from fires.
- Kills germs, bacteria and viruses* on pre-cleaned environmental surfaces.
- Kills Pandemic 2009 H1N1 influenza A virus.

Kills Odor-Causing Bacteria. Effective in the presence of 5% serum contamination

EPA Registration Number:
6836-152-63836
EPA Est. No. 63836-TX-001

Active Ingredients:

Octyl decyl dimethyl ammonium chloride 0.025%
Diocetyl dimethyl ammonium chloride 0.010%
Didecyl dimethyl ammonium chloride 0.015%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride 0.034%
Other Ingredients 99.916%
TOTAL 100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Left Panel for Additional Precautionary Statements and First Aid.

FOR EMERGENCY MEDICAL INFORMATION: 1-888-853-1758


H.B. Fuller
 CONSTRUCTION PRODUCTS
 H.B. Fuller Construction Products Inc.
 1105 South Frontenac Street
 Aurora, IL 60504-6451 U.S.A.
 PH 800.832.9002
 fosterproducts.com

MADE in USA

**Net Contents: 5 Gallons (41 lbs.)
18.92 L (18.59 KG)**

Note: continues on right panel.

Ready-to-Use

Note: continues from left panel.

DISINFECTION/ VIRUCIDAL * / FUNGICIDAL / MOLD AND MILDEW

CONTROL DIRECTIONS: Apply Foster® First Defense® undiluted to hard, non-porous surfaces, thoroughly wetting the surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. For Influenza Virus Type A and Human Coronavirus, treated surfaces must remain wet for 1 minute. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Avoid breathing spray. Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

For fungicidal activity: Foster® First Defense® is an effective one-step fungicide against Trichophyton mentagrophytes when used on hard nonporous surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Allow surface to remain wet for 10 minutes. **For mold and mildew:** Repeat treatment every 7 days or more often if new growth appears. **This product is not for use on medical devise surfaces.**

ANIMAL CARE / KENNELS DISINFECTION / VIRUCIDAL* DIRECTIONS:

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries, pens, stalls and etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, pens, stalls and etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with Foster® First Defense® for a period of 10 minutes. Wipe or allow to air dry.

Foster® First Defense® is a one-step hospital use disinfectant, Bactericidal according to the current AOAC Use-Dilution Test Method, Fungicidal according to the AOAC Fungidical Test and Virucidal* according to the virucidal qualifications modified in the presence fo 5% organic serum against:

BACTERIA

Shigella dysenteriae
 Staphylococcus aureus Community Associated Methicillin – Resistant – [CA-MRSA] (NRS384) (USA300)
 Burkholderia cepacia
 Campylobacter jejuni
 Corynebacterium ammoniagenes
 Enterobacter aerogenes
 Enterobacter cloacae NDM-1
 Enterococcus faecalis
 Enterococcus faecalis – Vancomycin Resistant (VRE)
 Escherichia coli, New Delhi metallo-beta-lactamase (NDM-1)
 Escherichia coli (E. coli)
 ESBL Escherichia coli
 Klebsiella pneumoniae – NDM-1 positive
 Klebsiella pneumoniae
 Legionella pneumophila
 Listeria monocytogenes (Listeria)
 Salmonella enterica (Salmonella)
 Salmonella schottmuelleri (Salmonella)
 Salmonella typhi
 Serratia marcescens

VIRUSES

*Hepatitis B Virus (HBV)
 *Hepatitis C Virus (HCV)
 *Herpes Simplex Virus Type 1
 *Herpes Simplex Virus Type 2
 *HIV-1 (AIDS virus)
 *Human Coronavirus
 *Influenza Virus Type A / Brazil Influenza
 *Influenza Virus Type A / Hong Kong Influenza
 *2013 Influenza A Virus (H7N9)
 *Norwalk Virus (Norovirus)
 *Respiratory Syncytial Virus (RSV)

*Rotavirus
 *SARS Associated Coronavirus (SARS)
 *Vaccinia (Pox Virus)

This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

ANIMAL VIRUSES

Avian Infectious Bronchitis Virus
 Avian Influenza [virus] (H3N2)
 Avian Influenza [virus] (H5N1)
 Canine Distemper Virus
 Feline Calicivirus
 Murine Norovirus
 Newcastle's Disease Virus
 Pseudorabies Virus

FUNGI

Aspergillus Fumigatus
 Aspergillus Niger
 Trichophyton
 Mentagrophytes

Foster, First Defense and the Foster design are trademarks of H.B. Fuller Construction Products Inc.



First Defense™

Disinfectant (40-80)

Product Data Sheet

PROPERTIES

TYPE:

Quaternary Ammonium Chloride

VOLATILE:

Water

AVERAGE WEIGHT/U.S. GALLON (ASTM D1475):

8.2 lbs. (0.98 kg/l)

APPLICATION CONSISTENCY:

Wipe, cloth, mop, sponge or coarse spray

ODOR:

Fresh Mild Scent

AVERAGE COVERAGE RANGE:

Dependent upon the method of application and the surface. Apply in sufficient quantity to ensure that the surface remains wet continuously for at least ten (10) minutes.

ALKALINITY (ASTM E70):

10 – 11 pH

SAFETY:

Wet flammability (ASTM D3278)

No flash to boiling, 212°F (100°C)

ATTRIBUTES

Foster® First Defense™ Disinfectant (40-80) is a convenient, ready-to-use EPA Registered formulation that kills odor-causing bacteria and inhibits the growth of mold and mildew. This all-in-one “*disinfectant, cleaner, fungicide, mildewstat, germicide and deodorizer*” is designed for use in water damage restoration and for clean-up of mold and microbe impacted porous and non-porous materials. For homes, hospitals, institutions and industrial use.

First Defense Disinfectant kills household germs and is effective against a broad spectrum of bacteria, including *Pseudomonas Aeruginosa* (*Pseudomonas*), *Staphylococcus Aureus* (*Staph*), and *Streptococcus Pyogenes* (*Strep*), is virucidal*, and inhibits the growth of mold and mildew (fungicidal), including *Trichophyton Mentagrophytes*, when used as directed.

First Defense Disinfectant is effective against odor-causing bacteria and fungi (in water damage restoration situations) on semi-porous and porous materials including carpets, carpet cushion, sub floors, drywall, trim and frame lumber. It helps clean and remove residue resulting from flood and water damage.

First Defense Disinfectant may also be used to disinfect washable hard, non-porous surfaces such as tables, floors, walls, countertops, coils and drain pans of air conditioning and refrigeration equipment and heat pumps and hard, non-porous surfaces such as metal, stainless steel, fiberglass (shower stalls and sinks), finished woodwork, vinyl or plastic upholstery, as well as hard non-porous inanimate environmental surfaces found in hospitals, food processing areas, homes, restaurants, hotels, health clubs and spas.

LIMITATIONS:

Do not store or apply to surfaces below 32°F (0°C) or above 100°F (38°C). |

Consult the Material Safety Data Sheet for additional information.

Do not use inside HVAC ducts, vents or on duct liner insulations.

KEEP OUT OF REACH OF CHILDREN.

DO NOT DILUTE.

EPA Registration No.6836-152-63836
EPA Est. No. 63836-TX-00105/08

Visit us on the web at fosterproducts.com

Foster and First Defense are trademarks of H.B. Fuller Construction Products Inc.

H.B. Fuller Construction Products Inc.

1105 South Frontenac Street • Aurora, IL 60504 • 800-832-9002 • fax 800-952-2368

APPLICATION GUIDE FOR Foster® First Defense™ Disinfectant

MATERIAL PREPARATION: DO NOT DILUTE! **Foster® First Defense™ Disinfectant** is full strength. Any attempt to dilute will drastically reduce the efficacy of the material.

SITE PREPARATION: Follow all procedures mandated by Federal, State, and local authorities regulating the use of EPA Registered disinfectants, if any.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected. Refer to product label for more information.

TO CLEAN AND DEODORIZER: Apply undiluted to surfaces with a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

WATER DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME,

INSTITUTIONAL, INDUSTRIAL, AND HOSPITAL USE. This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Saturate affected materials with enough product to remain wet for at least 10 minutes. **Sewer Backup and River Flooding:** During mitigation procedures remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a coarse spray device before and after cleaning and extraction. **Carpets, Carpet Cushion and Other Porous Materials such as Sub Floors, Drywall, Trim and Frame Lumber, Tackless Strip and Paneling:** For water damage from a clean source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Saturate all affected areas with a coarse spray device. Roll, brush or agitate into the materials and allow the materials to remain wet for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly. **Special Instructions for Cleaning Carpet Against Odor Causing Bacteria:** Use this product in industrial and institutional areas such as homes, motels, hotels, nursing homes, schools and hospitals. Use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness. Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the manufacturer's direction.

DISINFECTION/ VIRUCIDAL * / FUNGICIDAL / MOLD AND MILDEW

CONTROL DIRECTIONS: Apply Foster® First Defense® undiluted to hard, non-porous surfaces, thoroughly wetting the surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. For Influenza Virus Type A and Human Coronavirus, treated surfaces must remain wet for 1 minute. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is recommended. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Avoid breathing spray. Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes. **For fungicidal activity:** Foster® First Defense® is an effective one-step fungicide against Trichophyton mentagrophytes when used on hard nonporous surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Allow surface to remain wet for 10 minutes. **For mold and mildew:** Repeat treatment every 7 days or more often if new growth appears.

This product is not for use on medical devise surfaces.

ANIMAL VIRUSES: Avian Infectious Bronchitis Virus, Avian Influenza virus (H3N2), Avian Influenza virus (H5N1), Canine Distemper Virus, Feline Calicivirus, Newcastle's Disease Virus, Pseudorabies Virus. **ANIMAL CARE / KENNELS DISINFECTION / VIRUCIDAL* DIRECTIONS:** For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries, pens, stalls and etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, pens, stalls and etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with Foster® First Defense® for a period of 10 minutes. Wipe or allow to air dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used for removing litter and manure. Thoroughly scrub all treated surfaces, then rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings, animal enclosures, vehicles and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

***KILLS HIV-1 AND HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECT PREVIOUSLY SOILED WITH BLOOD/BODY**

FLUIDS in health care settings or other settings with which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OR HBV OR HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY**

FLUIDS: Personal Protection: Clean up should always be done wearing protective gloves, gowns, masks and eye protection. **Cleaning Procedure:** Blood and other body fluids containing HIV or HBV or HCV must be thoroughly cleaned from surfaces and objects before application of Foster® First Defense®. **Contact Time:** Leave surfaces wet for 1 minute (60 seconds) for HIV-1 and 10 minutes for HBV and HCV. Use a 10 minute contact time for disinfection against all other viruses, bacteria and fungi claimed. **Disposal of Infectious Material:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

PRECAUTIONS and First Aid: Refer to product label and MSDS sheet for information.

CUSTOMER SERVICE: 800-832-9002

ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. Refer to product label before use.

For professional use only. Keep out of reach of children.



H.B. Fuller Construction Products Inc.

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March 16, 2020



**Coronavirus Disease 2019
COVID-19 (SARS-CoV-2)**

Foster™ 40-80
FIRST DEFENSE DISINFECTANT

Foster 40-80 Disinfectant and Coronavirus disease 2019, COVID-19 (SARS-CoV-2)

Foster 40-80 First Defense™ Disinfectant has demonstrated effectiveness against viruses similar to coronavirus disease 2019, COVID-19 (SARS-CoV-2) on hard, non-porous surfaces. Therefore, Foster 40-80 First Defense™ Disinfectant can be used against coronavirus disease 2019, COVID-19 when used in accordance with the directions for use against Norovirus on hard, non-porous surfaces. Refer to the CDC website <https://www.cdc.gov/coronavirus/2019-ncov/index.html> for additional information.

Foster 40-80 First Defense™ Disinfectant is a hospital disinfectant for hard non-porous surfaces and have both norovirus and human coronavirus listed on the label as viruses it is effective against. Users of any disinfectant must follow label directions for use when disinfecting hard non-porous surfaces. Refer to the product label for more information on uses, contact times and environmental surfaces for this product.

For more information on Foster 40-80 First Defense™ Disinfectant and Foster IAQA products, visit our website: <https://fosterproducts.com/> or contact your Foster representative or customer service at 1-800-231-9541, email: HBF-CP.CustomerService@hbfuller.com.

Globally specified, proven and preferred.

SAFETY DATA SHEET

REVISION DATE: 09-17-2019

SUPERSEDES: 01-25-2016

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

PRODUCT INFORMATION

PRODUCT: FOSTER 40-80
PRODUCT DESCRIPTION: Disinfectant
INTENDED USE: Cleaner
PRODUCT IDENTIFIER: 802320PM

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 Classification: This product is not classified as hazardous under GHS criteria.
GHS Precautions:
Safety Precautions: No special precautionary measures are required. Please read the entire Safety Data Sheet for other information regarding handling of this product.
First Aid Measures: IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. IF IN EYES: Use an eye wash to remove chemical from the eye. IF ON SKIN: Wash with soap and water. IF INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT	Classification	Note
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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: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

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

SAFETY DATA SHEET

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

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 SDS.
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

SECTION 7: HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity.

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
No data available.			

ENGINEERING CONTROL METHODS:

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

EYE PROTECTION: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

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: Not normally required. Use nitrile gloves if conditions warrant.

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).

SAFETY DATA SHEET

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Light Green
ODOR:	Fragrant
ODOR THRESHOLD:	Not established
pH:	9.7
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.):	8.32
SPECIFIC GRAVITY:	1.000
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	0.2
VOC, weight percent	0.02
VOC, U.S. EPA Method 24, less water and exempt solvents (theoretically determined)	39.7g/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

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
No data available.	

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 moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

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.

SAFETY DATA SHEET

Respiratory irritation / Narcotic effects: No data available.
Specific target organ toxicity-repeated exposure: No data available.
Target organs potentially affected by exposure: No organs known to be damaged from exposure to this product.
Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: No medical conditions affected by exposure.

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:
No data available.	Acute Toxicity (Fish): Acute Toxicity (Daphnia): Acute Toxicity (Algae):

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: NOT REGULATED
IATA: NOT REGULATED
IMDG: 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: 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 to request an export review.

SAFETY DATA SHEET**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#	%

STATE REPORTING**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

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.

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 09-17-2019

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 -- 0 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

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B. Fuller Construction Products, Inc. from its suppliers, and because H.B. Fuller Construction Products, Inc. has no control over the conditions of handling and use, H.B. Fuller Construction Products, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B. Fuller Construction Products, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Construction Products, Inc. products to comply with all applicable federal, state and local laws and regulations.