

SAFETY DATA SHEET

Foster® INTERIOR DEFENSE® 40-50

Version 1.1

Revision Date 03/05/2024

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Foster® INTERIOR DEFENSE® 40-50
Product code : 100000015215

Manufacturer or supplier's details

Company : H.B. Fuller Construction Products
Address : 1105 South Frontenac
Aurora, IL, 60504
Telephone : 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Water based sealant
Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION


Emergency Overview

| | |
|------------|--------|
| Appearance | liquid |
| Color | white |
| Odor | sweet |

GHS Classification

Acute toxicity (Oral) : Category 4
Skin sensitization : Category 1
Reproductive toxicity : Category 1B

GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements:

H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H360FD May damage fertility. May damage the unborn child.

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Precautionary Statements:

Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse.

Storage: P405 Store locked up.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Carcinogenicity:

IARC

Group 2B: Possibly carcinogenic to humans During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.

Titanium dioxide 13463-67-7

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

| Chemical name | CAS-No. | Concentration [%] |
|----------------------------------|------------|-------------------|
| Titanium dioxide | 13463-67-7 | 10 - 20 |
| barium diboron tetraoxide | 13701-59-2 | 5 - 10 |
| Trade Secret | 21645-51-2 | 5 - 10 |
| Zinc oxide | 1314-13-2 | 1 - 5 |
| silicon dioxide | 7631-86-9 | 1 - 5 |
| triphenyl phosphate | 115-86-6 | 1 - 5 |
| 3-iodo-2-propynyl butylcarbamate | 55406-53-6 | 0.1 - 1 |

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Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed.
May cause an allergic skin reaction.
May damage fertility. May damage the unborn child.
-

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Not combustible.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : none
- Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
- Specific extinguishing methods :
- Further information : This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.
Prevent product from entering drains.
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Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : No special precautions are needed in handling this material.

Conditions for safe storage : Keep container closed when not in use.
Keep in a dry, cool place.

Materials to avoid : Do not freeze.
No special restrictions on storage with other products.

Storage temperature : ≥ 40 °F

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---------------------------|------------|-------------------------------------|--|-----------|
| Titanium dioxide | 13463-67-7 | TWA | 10 mg/m ³ | ACGIH |
| | | TWA (total dust) | 15 mg/m ³ | OSHA Z-1 |
| | | TWA (Total) | 10 mg/m ³ | OSHA P0 |
| | | TWA (Total dust) | 10 mg/m ³ | OSHA P0 |
| barium diboron tetraoxide | 13701-59-2 | TWA | 0.5 mg/m ³ | OSHA Z-1 |
| | | TWA | 0.5 mg/m ³ | ACGIH |
| | | TWA | 0.5 mg/m ³ | OSHA P0 |
| | | TWA | 0.5 mg/m ³ | OSHA Z-1 |
| | | TWA | 0.5 mg/m ³ | ACGIH |
| | | TWA | 0.5 mg/m ³ | OSHA P0 |
| | | TWA | 0.5 mg/m ³ | NIOSH REL |
| Trade Secret | 21645-51-2 | TWA (Respirable particulate matter) | 1 mg/m ³ | ACGIH |
| | | TWA (Respirable particulate matter) | 1 mg/m ³ | ACGIH |
| Zinc oxide | 1314-13-2 | TWA (Respirable particulate) | 2 mg/m ³ | ACGIH |

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| | | | | |
|----------------------------------|------------|---|--|----------|
| | | matter) | | |
| | | STEL (Respirable particulate matter) | 10 mg/m ³ | ACGIH |
| | | TWA (Fumes) | 5 mg/m ³ | OSHA Z-1 |
| | | TWA (total dust) | 15 mg/m ³ | OSHA Z-1 |
| | | TWA (respirable fraction) | 5 mg/m ³ | OSHA Z-1 |
| | | TWA (Total) | 10 mg/m ³ | OSHA P0 |
| | | TWA (Respirable fraction) | 5 mg/m ³ | OSHA P0 |
| | | TWA | 5 mg/m ³ | OSHA P0 |
| | | STEL | 10 mg/m ³ | OSHA P0 |
| | | TWA (Total dust) | 10 mg/m ³ | OSHA P0 |
| | | TWA (respirable dust fraction) | 5 mg/m ³ | OSHA P0 |
| | | TWA (Fumes) | 5 mg/m ³ | OSHA P0 |
| | | STEL (Fumes) | 10 mg/m ³ | OSHA P0 |
| silicon dioxide | 7631-86-9 | TWA (Dust) | 20 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Dust) | 80 mg/m ³ / %SiO ₂ | OSHA Z-3 |
| | | TWA (Dust) | 20 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Dust) | 80 mg/m ³ / %SiO ₂ | OSHA Z-3 |
| triphenyl phosphate | 115-86-6 | TWA | 3 mg/m ³ | ACGIH |
| | | TWA | 3 mg/m ³ | OSHA Z-1 |
| | | TWA | 3 mg/m ³ | OSHA P0 |
| | | PEL | 3 mg/m ³ | CAL PEL |
| 3-iodo-2-propynyl butylcarbamate | 55406-53-6 | TWA (Inhalable fraction and vapor) | 0.01 ppm | ACGIH |

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

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In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection
Material : Nitrile rubber
Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Protective measures : No special protective equipment required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Color : white
Odor : sweet
Odor Threshold : no data available
pH : 8.9 - 9.9
Melting point/freezing point : 32 °F
Boiling point/boiling range : 212 °F
Flash point : Not applicable
Evaporation rate : is not determined
Flammability (solid, gas) : Not classified as a flammability hazard

Upper explosion limit : Upper flammability limit is not determined
Lower explosion limit : Lower flammability limit is not determined
Vapor pressure : is not determined
Relative vapor density : is not determined
Density : 11.06 - 11.66 lb/gal
Solubility(ies)
Water solubility : dispersible
Partition coefficient: n-octanol/water : no data available
Autoignition temperature : is not determined
VOC, less water, in g/l : 40

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : The product is chemically stable.

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Possibility of hazardous reactions : Hazardous polymerization does not occur.
Hazardous decomposition products : Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : 1,556 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 158.47 mg/l
Exposure time: 4 Hours
Test atmosphere: vapor
Method: Calculation method

Components:**silicon dioxide:**

Acute inhalation toxicity : > 2.2 mg/l
Exposure time: 1 h
Test atmosphere: dust/mist

triphenyl phosphate:

Acute oral toxicity : LD50 Oral Rat: 3,500 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

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STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****triphenyl phosphate :**

| | |
|---|--|
| Toxicity to fish | : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.28 - 0.5 mg/l Exposure time: 96 h Test Method: static test |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): 0.86 - 1.2 mg/l Exposure time: 48 h Test Method: static test |
| Toxicity to algae | : EC50 (Pseudokirchneriella subcapitata (microalgae)): 0.6 - 4 mg/l Exposure time: 96 h Test Type: static test |

Persistence and degradability

No data available

Bioaccumulative potential**Components:****triphenyl phosphate :**

Partition coefficient: n-octanol/water : log Pow: 4.59

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

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Waste from residues : 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.
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Zinc oxide)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Remarks : PACKAGES <5 L NOT REGULATED, IATA 4.4, SP A197

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Zinc oxide)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes
Remarks : PACKAGES <5 L NOT REGULATED, IMDG 3.3 SP 969

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Respiratory or skin sensitization
Reproductive toxicity

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

| | |
|---------------------------|--------------|
| barium diboron tetraoxide | 13701-59-2 |
| Zinc oxide | 1314-13-2 |
| 150 | Not Assigned |

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

US State Regulations

California Prop 65 Please contact Supplier for more information.

The ingredients of this product are reported in the following inventories:

TSCA All substances listed as active on the TSCA inventory

DSL All components of this product are on the Canadian DSL

KECI On the inventory, or in compliance with the inventory
Inventories Legend TSCA (USA), DSL (Canada), REACH(Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Office - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

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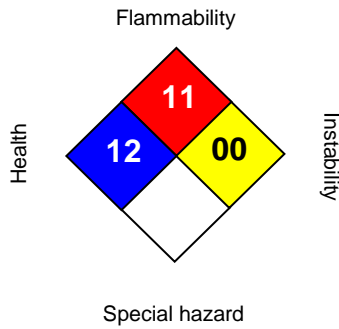
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Further information

NFPA:



HMIS III:

| | |
|------------------------|----------|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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