

# Safety Data Sheet

## Spongolit® 450

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Version: 2.0

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(30530824/SDS\_GEN\_MX/EN)

### 1. Identification

#### Product identifier used on the label

## Spongolit® 450

#### Recommended use of the chemical and restriction on use

Recommended use\*: Food industry, For use in foodstuff, not for retail.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Mexicana S.A. de C.V.  
Av. Insurgentes Sur 975  
Col. CD. De Los Deportes,  
C.P. 03710 Ciudad de México  
MÉXICO

Telephone: +52 55 5325 2600

#### Emergency telephone number

Tel.: +1-800-849-5204 or +1-833-229-1000  
CHEMTREC Int.: +1-703-527-3887

#### Other means of identification

Synonyms: SPONGOLIT 450

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### 2. Hazards Identification

#### According to Regulation NOM-018-STPS-2015

#### Classification of the product

Combustible Dust                      Combustible Dust (1)                      Combustible Dust

#### Label elements

Signal Word:  
Warning

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Hazard Statement:

May form combustible dust concentration in air.

### Hazards not otherwise classified

Avoid dust development and deposition - dust explosion risk. Take precautionary measures against static discharges. The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

## 3. Composition / Information on Ingredients

### According to Regulation NOM-018-STPS-2015

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
7320-34-5	1.0 - 5.0%	Diphosphoric acid, tetrapotassium salt

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air.

#### If on skin:

Wash thoroughly with soap and water.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

#### If swallowed:

Rinse mouth and then drink 200-300 ml of water.

### Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, dry powder, water spray

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Unsuitable extinguishing media for safety reasons:  
water jet

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon oxides

The substances/groups of substances mentioned can be released in case of fire. Evolution of fumes/fog. Dust explosion hazard.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

### Further information:

Cool endangered containers with water-spray. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

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## 6. Accidental release measures

Further accidental release measures:

Dust can form an explosive mixture with air.

Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, section 8. Avoid dust formation. Ensure adequate ventilation.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up.

Dispose of absorbed material in accordance with regulations. Avoid raising dust.

Nonsparking tools should be used.

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## 7. Handling and Storage

### Precautions for safe handling

Avoid dust formation. Provide exhaust ventilation if dust is formed.

Protection against fire and explosion:

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Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Paper/Fibreboard

Further information on storage conditions: Keep in a cool place. Keep container dry. Protect product from freezing temperatures

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

Octadecanoic acid, potassium salt	Exposure limits	TWA value 10 mg/m3 ;
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### **Advice on system design:**

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

### Personal protective equipment

#### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) particulate respirator.

#### **Hand protection:**

Wear chemical resistant protective gloves.

#### **Eye protection:**

Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.

#### **Body protection:**

Body protection must be chosen based on level of activity and exposure.

#### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Store work clothing separately.

## 9. Physical and Chemical Properties

Form:	powder
Odour:	slight odour, oily
Odour threshold:	No data available.
Colour:	light yellow

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pH value:	7.3 - 8.3 ( 20 °C)	(ISO 4316)
melting range:	The substance / product decomposes therefore not determined.	
Boiling range:	not applicable	
Flash point:	not applicable, the product is a solid	
Flammability:	not highly flammable	(other)
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Vapour pressure:	not applicable	
Bulk density:	300 - 400 kg/m3	
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Self-ignition temperature:	not relevant	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not applicable, the product is a solid	
Solubility in water:	dispersible	
Evaporation rate:	not applicable	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Minimum ignition energy:

The product is capable of dust explosion.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

Dust explosion hazard.

### Conditions to avoid

See MSDS section 7 - Handling and storage. Avoid dust formation.

### Incompatible materials

None known during use and storage if used according to instructions.

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products known.

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Thermal decomposition:  
No decomposition if stored and handled as prescribed/indicated.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

##### Oral

Type of value: ATE

Value: > 5,000 mg/kg

##### Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

##### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

##### Sensitization

Assessment of sensitization: A sensitizing effect on particularly sensitive individuals cannot be excluded.

##### Aspiration Hazard

No aspiration hazard expected.

#### Chronic Toxicity/Effects

##### Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available Data, the classification criteria are not met.

##### Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

##### Carcinogenicity

Assessment of carcinogenicity: Based on available Data, the classification criteria are not met.

##### Reproductive toxicity

Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met.

##### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

#### Symptoms of Exposure

No significant reaction of the human body to the product known.

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## 12. Ecological Information

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish

LC50 > 100 mg/l

### Persistence and degradability

Assessment biodegradation and elimination (H2O)

Product is expected to be readily biodegradable.

### Mobility in soil

Assessment transport between environmental compartments

No data available.

### Additional information

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal considerations

### Waste disposal of substance:

Observe national and local legal requirements.

### Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## 14. Transport Information

### Land transport

TDG

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### Federal Regulations

Not applicable

#### **NFPA Hazard codes:**

Health: 0      Fire: 1      Reactivity: 0      Special:

#### **HMIS III rating**

Health: 0      Flammability: 1      Physical hazard: 0

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### 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2018/10/24

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This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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