

Pit Boss (Rev 10-31-24)

SDS Number: PW500F

Revision Date: 10/31/2024

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

Contact: Ligia M. Hernandez
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Product Identifier: Pit Boss (Rev 10-31-24)
SDS Number: PW500F
Product Code: PW500
Revision Date: 10/31/2024
Product Use: Granular Heavy-Duty Concrete Cleaner

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 1
Health, Specific target organ toxicity - Repeated exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H303 - May be harmful if swallowed
H314 - Causes severe skin burns and eye damage
H373 - May cause damage to organs through prolonged or repeated exposure.
H402 - Harmful to aquatic life

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P262 - Do not get in eyes, on skin, or on clothing.
P273 - Avoid release to the environment.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 - IF ON SKIN: Wash with plenty of water/...
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306 + P360 - IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

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Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eye, skin absorption, ingestion, inhalation
Target Organs: NA
Inhalation: Under normal conditions, vapor level will be too low to present inhalation hazard.
Skin Contact: Causes severe skin damage.
Eye Contact: Causes serious eye damage.
Ingestion: May be harmful if swallowed.

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COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
497-19-8	25-35%	Carbonic acid disodium salt
6834-92-0	15-25%	Sodium Metasilicate
7758-29-4	10-15%	Triphosphoric acid, pentasodium salt
7601-54-9	10-15%	Trisodium Phosphate
68439-46-3	6-8%	Alcohols, C9-11, ethoxylated
111-76-2	3-8%	2-Butoxyethanol

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FIRST AID MEASURES

Inhalation: Remove individual to fresh air and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.
Skin Contact: Flush skin with cool water. Wash the exposed area with plenty of soap and water.
Eye Contact: Hold the eyelids apart and flush the eye gently with large amounts of water for at least 15 minutes.
Ingestion: Have person drink a glass of water immediately if able to swallow. Get medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

EFFECTS OF OVEREXPOSURE:

ACUTE: SKIN: Prolonged contact may defat skin leading to irritation and dermatitis.

EYES: Causes irritation, loss on natural lubrication.

CHRONIC: SKIN: Repeated or prolonged skin contact would be expected to cause drying, cracking and inflammation of the skin. (dermatitis)

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FIRE FIGHTING MEASURES

Flash Point: Unknown
Burning Rate: Not determined
Autoignition Temp: Not determined
LEL: Unknown
UEL: Unknown
SPECIAL FIRE HAZARDS: None
FIRE FIGHTING METHODS: Use CO2 Foam or Dry chemical.

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ACCIDENTAL RELEASE MEASURES

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Do not allow contact with soil, surface or ground water.

Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Flush away traces with water. For

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large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7	HANDLING AND STORAGE
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Handling Precautions:	Use smallest amounts possible in designated areas with adequate ventilation. Keep containers closed when not in use. Empty containers may contain hazardous residue. Avoid generating mists. Transfer solutions using equipment which is corrosion resistant. Cautiously transfer into sturdy containers made of compatible materials. Never return contaminated material to its original container. Never add water to solution, always add solution to water and provide agitation.
Storage Requirements:	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Protect from damage. Store away from incompatible materials. Avoid freezing.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls:	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits as listed in Section 3. Local exhaust is suggested for use, where possible, in enclosed or confined space.
Personal Protective Equipment:	Respiratory Protection: None needed under normal use conditions. Otherwise, use a NIOSH-approved respirator Protective gloves: Nitrile, Natural Rubber, Neoprene or Butyl Rubber gloves are recommended. Eye protection: Safety goggles/ Face shield

Hygienic work practices: Wash with soap and water before handling food.

Carbonic acid disodium salt cas#:(497-19-8) [25-35%]

Sodium Metasilicate cas#:(6834-92-0) [15-25%]

Triphosphoric acid, pentasodium salt cas#:(7758-29-4) [10-15%]

Trisodium Phosphate cas#:(7601-54-9) [10-15%]

Components with workplace control parameters

STEL	5 mg/m ³	USA. Workplace Environmental Exposure Levels (WEEL)
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2-Butoxyethanol cas#:(111-76-2) [3-8%]

Components with workplace control parameters

TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)
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Eye & Upper Respiratory Tract irritation

Confirmed animal carcinogen with unknown relevance to humans

TWA	5 ppm 24 mg/m ³	USA. NIOSH Recommended Exposure Limits
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Potential for dermal absorption

TWA 50 ppm USA. Occupational Exposure Limits
240 mg/m³ (OSHA) - Table Z-1 Limits for Air
Contaminants

Skin designation

The value in mg/m³ is approximate.

TWA 25 ppm USA. OSHA - TABLE Z-1 Limits for
120 mg/m³ Air Contaminants - 1910.1000

Skin notation

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Granular, orange	Odor:	Solvent Odor
Physical State:	Solid	Solubility:	100% in water
Spec Grav./Density:	1.80	Percent Volatile:	0 % by volume
Flammability:	Unknown	Vapor Density:	(Air=1): 0.012
Vapor Pressure:	Not available	UFL/LFL:	Unknown
pH:	12.5 - 13.5 (5% solution)		
Evap. Rate:	<1 (Ether=1)		

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STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: None Known
Materials to Avoid: None
Hazardous Decomposition: None.
Hazardous Polymerization: None

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TOXICOLOGICAL INFORMATION
LIKELY ROUTES OF EXPOSURE:

Inhalation, Eye contact, Skin contact.

POTENTIAL HEALTH EFFECTS:

Eyes: Causes severe eye damage

Skin: Causes severe skin damage

Ingestion: May be harmful if swallowed

Inhalation: Under normal conditions, vapor level will be too low to present inhalation hazard.

EXPERIENCE WITH HUMAN EXPOSURE:

Eyes: Flush eyes immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes holding eye lids open.

Skin: Flush skin with plenty of cool running water. Wash thoroughly with soap and water.

If Swallowed: Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

If inhaled: Move immediately to fresh air; if breathing is difficult, administer oxygen.

Carbonic acid disodium salt cas#:(497-19-8) [25-35%]

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Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 4,090 mg/kg

LC50 Inhalation - rat - 2 h - 5,750 mg/l

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

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

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: VZ4050000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

Sodium Metasilicate cas#:(6834-92-0) [15-25%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 1,153 mg/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

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Germ cell mutagenicity: no data available

Carcinogenicity:

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

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Reproductive toxicity - rat - Oral:

Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4).

no data available

Specific target organ toxicity - single exposure: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: VV9275000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Triphosphoric acid, pentasodium salt cas#:(7758-29-4) [10-15%]

Information on toxicological effects**Acute toxicity:**

Oral LD50 LD50 Oral - rat - 3,900 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - 4,640 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation

Serious eye damage/eye irritation: Eyes - rabbit - No eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

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

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Gastrointestinal disturbance, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: YK4570000

Trisodium Phosphate cas#:(7601-54-9) [10-15%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - Irritating to skin.

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

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

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential

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carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: TC9490000

2-Butoxyethanol cas#:(111-76-2) [3-8%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 470 mg/kg

LC50 Inhalation - rat - 4 h - 450 ppm Remarks: Behavioral:Ataxia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Dermal - rabbit - 220 mg/kg

LD50 Intraperitoneal - rat - 220 mg/kg

LD50 Intravenous - rat - 307 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Open irritation test

Serious eye damage/eye irritation: Eyes - rabbit Result: Moderate eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

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Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KJ8575000

Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyethanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings., Central nervous system depression, Headache, narcosis
Stomach - Irregularities - Based on Human Evidence

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ECOLOGICAL INFORMATION**BIODEGRADABILITY / AQUATIC TOXICITY:**

No known Aquatic Toxicity or Ecotoxicological effects.

OCTANOL / WATER PARTITION COEFFICIENT: Not available

EPA HAZARDOUS SUBSTANCE? No

Carbonic acid disodium salt cas#:(497-19-8) [25-35%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Lepomis macrochirus* (Bluegill) - 300 mg/l - 96 h.

Toxicity to daphnia and EC50 - *Daphnia magna* (Water flea) - 265 mg/l - 48 h.

other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Sodium Metasilicate cas#:(6834-92-0) [15-25%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

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Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Triphosphoric acid, pentasodium salt cas#:(7758-29-4) [10-15%]

Information on ecological effects

Toxicity:

Toxicity to daphnia EC50 - Daphnia - 276.61 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Trisodium Phosphate cas#:(7601-54-9) [10-15%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 28.5 mg/l - 96 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.
no data available

2-Butoxyethanol cas#:(111-76-2) [3-8%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - other fish - 220 mg/l - 96 h.
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h.
other aquatic invertebrates

Persistence and degradability: no data available

Ratio BOD/ThBOD 88 %

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Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

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DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.)

Dispose of waste material at an approved waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of with normal garbage or to sewer systems.

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TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated by DOT.

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REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[25-35%] Carbonic acid disodium salt (497-19-8) TSCA

[15-25%] Sodium Metasilicate (6834-92-0) TSCA

[10-15%] Triphosphoric acid, pentasodium salt (7758-29-4) TSCA

[10-15%] RQ(5000LBS), Trisodium Phosphate (7601-54-9) CERCLA, CSWHS, PA, TSCA

[6-8%] Alcohols, C9-11, ethoxylated (68439-46-3) TSCA

[3-8%] 2-Butoxyethanol (111-76-2) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

RQ = Reportable Quantity
TSCA = Toxic Substances Control Act
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
PA = PA Right-To-Know List of Hazardous Substances
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level

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OTHER INFORMATION

We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

N/A = Not available

N/D = Not determined

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