

MasterBlend Inplant Powder

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: MasterBlend Inplant Powder
Common Name: Rug Detergent Powder
SDS Number: 01-000510
Product Code: 1033
Revision Date: 1/16/2024
Version: 2
Internal ID: X780016
Product Use: Premium Rug Cleaning Detergent

Supplier Details: MasterBlend Indiana LLC
4345 W. 96th St
Indianapolis, IN 46268

Phone: (800) 525-9644
Email: info@masterblend.net
Web: www.masterblend.net
Emergency: INFOTRAC (800) 535-5053 (USA and Canada); +1 (352) 323-3500 (International)

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Health, Skin corrosion/irritation, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H315 - Causes skin irritation

GHS Precautionary Statements:

P264 - Wash ... thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.

3 COMPOSITION/INFORMATION OF INGREDIENTS

This material is considered hazardous by the OSHA Hazardous Communication Standard (29 CFR 1910.1200)

Chemical Ingredients

CAS#	%	Chemical Name
7757-82-6	25-50%	Sulfuric acid disodium salt
7758-29-4	15-25%	Triphosphoric acid, pentasodium salt
64-02-8	1-5%	Chelating Agent
527-07-1	1-5%	D-Gluconic acid, monosodium salt
7722-88-5	1-5%	Diphosphoric acid, sodium salt (1:4)
2492-26-4	<1%	2(3H)-Benzothiazolethione, sodium salt
Trade Secret	1-5%	Aqueous detergent
Trade Secret	<1%	Fragrance
533-96-0	25-50%	Carbonic acid, sodium salt (2:3)

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4	FIRST AID MEASURES
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Inhalation: If symptoms develop, move victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact: Brush off loose particles. Wash with soap and water.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, removing contacts, if present, and lifting eyelids occasionally to facilitate irrigation. Seek medical attention if irritation persists

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention if you feel unwell.

5	FIRE FIGHTING MEASURES
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Use water spray, fog, carbon dioxide (CO₂), foam or dry chemical

Unsuitable extinguishing media: Water jet as it may spread fire

Hazardous Combustion Products:

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

6	ACCIDENTAL RELEASE MEASURES
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Use personal protective equipment. Ventilate area and wash spill site after material pickup is complete.

Keep away from drains and ground water.

7	HANDLING AND STORAGE
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Handling Precautions: Measures to prevent fire as well as aerosol and dust generation.

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

Warning

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

Storage Requirements: Keep in a cool ventilated area. Keep container tightly closed. Keep out of reach of children

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove

removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.2 mm Break through time: 480 min Material tested: Dermatril P (KCL 743 / Aldrich Z677388, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 120 min Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Source
US	particulates not otherwise regulated (PNOR)		PEL	1,766	15			29 CFR OSHA
US	particulates not otherwise regulated (PNOR)		PEL	529.5	5			29 CFR OSHA

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9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Light blue	Odor:	No data available
Physical State:	Powder	Solubility:	No data available
Odor Threshold:	No data available	Freezing/Melting Pt.:	No data available
Spec Grav./Density:	No data available	Flash Point:	No data available
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Auto-Ignition Temp:	>400° C
Partition Coefficient:	No data available	UFL / LFL:	No data available
Vapor Pressure:	No data available		
pH:	9.5 (1% solution)		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

10	STABILITY AND REACTIVITY
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Reactivity:	None under normal processing
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid temperature extremes and direct sunlight
Materials to Avoid:	None known based on the information provided
Hazardous Decomposition:	None known based on information provided
Hazardous Polymerization:	Will not occur.

11	TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
sodium sulphate	7757-82-6	inhalation: dust/mist	>2.4
triphosphoric acid, sodium salt	7758-29-4	inhalation: dust/mist	>0.39
tetrasodium ethylenediaminetetraacetate	64-02-8	oral	1,913
tetrasodium ethylenediaminetetraacetate	64-02-8	inhalation: dust/mist	1.5
diphosphoric acid, sodium salt	7722-88-5	oral	<2,000

Skin corrosion/irritation

Causes skin irritation.

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ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium sulphate	7757-82-6	LC50	7,960 mg/l	fish	96 hours
triphosphoric acid, sodium salt	7758-29-4	EC50	>100 mg/l	aquatic invertebrates	48 hours
tetrasodium ethylenediaminetetraacetate	64-02-8	LC50	121 mg/l	fish	96 hours

Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium sulphate	7757-82-6	LC50	>8,080 mg/l	fish	24 h
sodium sulphate	7757-82-6	EC50	1,698 mg/l	aquatic invertebrates	7 d
triphosphoric acid, sodium salt	7758-29-4	LC50	>1,850 mg/l	fish	24 h
triphosphoric acid, sodium salt	7758-29-4	ErC50	160 mg/l	algae	4 d
triphosphoric acid, sodium salt	7758-29-4	EC50	69.2 mg/l	algae	4 d
tetrasodium ethylenediaminetetraacetate	64-02-8	EC50	625 mg/l	aquatic invertebrates	24 h
Sodium 2-Mercaptobenzothiazole	2492-26-4	EC50	857 mg/l	microorganisms	3 h

13	DISPOSAL CONSIDERATIONS
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Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

14	TRANSPORT INFORMATION
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Not Regulated

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

[25-50%] Carbonic acid, sodium salt (2:3) (533-96-0) TSCA, TSCAACTV

[25-50%] Sulfuric acid disodium salt (7757-82-6) TSCA, TSCAACTV

[15-25%] Triphosphoric acid, pentasodium salt (7758-29-4) TSCA, TSCAACTV

[1-5%] Chelating Agent (64-02-8) TSCA, TSCAACTV

[1-5%] D-Gluconic acid, monosodium salt (527-07-1) TSCA, TSCAACTV

[1-5%] Diphosphoric acid, sodium salt (1:4) (7722-88-5) MASS, OSHAWAC, PA, TSCA, TSCAACTV, TXAIR

[<1%] 2(3H)-Benzothiazolethione, sodium salt (2492-26-4) TSCA, TSCAACTV

All ingredients for this product are listed or are exempt or excluded from being listed on the TSCA inventory.

SARA Title III chemicals: This product does not contain any chemicals which are subject to the reporting requirements.

California Prop 65 chemicals: None Known

CERCLA reportable quantity: This product, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

RCRA hazardous waste no: N/A

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

Regulatory Code Legend

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TSCAACTV = TSCA Active Chemicals

TXAIR = TX Air Contaminants with Health Effects Screening Level

16	OTHER INFORMATION
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The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text.

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