

Bio-Enzymatic Kennel And Turf Wash

SAFETY DATA SHEET

SECTION 1: Identification

1.1 GHS Product identifier

Product name Bio-Enzymatic Kennel And Turf Wash

1.4 Supplier's details

Name HOSPECO
Address 10966 Industrial Parkway
Bolivar OH 44612

Telephone 330-874-1017

1.5 Emergency phone number

US, Canada: 800-255-3924. International: +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Sensitization, skin, Cat. 1
- Eye damage/irritation, Cat. 1
- Sensitization, respiratory, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H317
H318
H334

May cause an allergic skin reaction
Causes serious eye damage
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statement(s)

P261
P272
P280
P284

Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear eye protection/face protection/protective gloves.
[In case of inadequate ventilation] wear respiratory protection.

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P302+P352
P304+P340
P305+P351+P338

P310
P321
P333+P313
P342+P311
P363
P501

IF ON SKIN: Wash with plenty of water/...
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor/...
Specific treatment (see ... on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
Wash contaminated clothing before reuse.
Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Water

Concentration > 75 - < 80 % (weight)

Other names / synonyms

Aqua; Aqua (EU),Deionized Water,Distilled Water,Micromatrix Fractile AN,Onsen-Sui (JPN),Purified Water; DIHYDROGEN OXIDE; h2o; HYDROGEN OXIDE; ICE; SNOW; STEAM; WATER, DISTILLED

EC no.

231-791-2

CAS no.

7732-18-5

2. Bacterial Endospore Blend*

Concentration > 10 - < 20 % (weight)

- Sensitization, skin, Cat. 1

H317

May cause an allergic skin reaction

3. Nonionic Surfactant*

Concentration > 5 - < 10 % (weight)

- Eye damage/irritation, Cat. 1

H318

Causes serious eye damage

4. Glycol Ether*

Concentration > 1 - < 5 % (weight)

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5. Copolymer*

Concentration > 0 - < 1 % (weight)

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2B

6. D-Limonene

Concentration > 0 - < 1 % (weight)

Other names / synonyms

(+)-4-ISOPROPENYL-1-METHYLCYCLOHEXENE; (+)-CARVENE;
(+)-LIMONENE; (+)-R-LIMONENE; (R)-(+)-LIMONENE;
(R)-1-METHYL-4-(1-METHYLETHENYL)CYCLOHEXENE;
1-Methyl-4-Isopropenylcyclohexene; CITRENE; Cyclohexene,
1-methyl-4-(1-methylethenyl)-, (4R)-; D-(+)-LIMONENE; d-Limonene(4R)-1-
Methyl-4-(1-methylethenyl) cyclohexene; D-P-MENTHA-1,8-DIENE;
dipentene; Limonene; LIMONENE,D-; NCI-C55572; P-MENTHA-1,8-DIENE
EC no. 227-813-5
CAS no. 5989-27-5

- Aspiration hazard, Cat. 1
- Flammable liquids, Cat. 3
- Hazardous to the aquatic environment - acute hazard, Cat. 1
- Hazardous to the aquatic environment - long-term hazard, Cat. 1
- Sensitization, skin, Cat. 1
- Skin corrosion/irritation, Cat. 2

H226 Flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

7. Fragrance Blend*

Concentration > 0 - < 1 % (weight)

- Flammable liquids, Cat. 4
- Acute toxicity, oral, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Sensitization, respiratory, Cat. 1
- Hazardous to the aquatic environment, short-term (acute), Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

H227 Combustible liquid
H302 Harmful if swallowed

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H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

8. Sodium carbonate

Concentration	> 0 - < 1 % (weight)
Other names / synonyms	Carbonic acid sodium salt (1:2); Crystal carbonate; Disodium carbonate; Natrii carbonas; Sal soda; Soda ash; Soda, calcined; Washing soda
EC no.	207-838-8
CAS no.	497-19-8
Index no.	011-005-00-2

- Serious eye damage/eye irritation, Cat. 2

H319	Causes serious eye irritation
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Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.
In case of skin contact	Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.
In case of eye contact	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.
If swallowed	Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side.

SECTION 5: Fire-fighting measures

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5.1 Suitable extinguishing media

Alcohol-resistant foam.
Carbon dioxide (CO₂).
Dry chemical.
Dry sand.
Limestone powder.

5.2 Specific hazards arising from the chemical

Sodium carbonate: Carbon oxides, Sodium oxides

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

6.2 Environmental precautions

Construct a dike to prevent spreading.

6.3 Methods and materials for containment and cleaning up

Approach suspected leak areas with caution. Place in appropriate chemical waste container.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use only in well-ventilated areas. Avoid contact with eyes. Avoid breathing vapors and/or aerosols. Use personal protective equipment. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from direct sunlight. Store in ambient conditions in original tightly closed container. Avoid contact with extraneous material which can compromise the integrity of the biologic blend.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. D-Limonene (CAS: 5989-27-5 EC: 227-813-5)
TLV® (Inhalation): 20 ppm (ACGIH)

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Chemical resistant goggles must be worn.

Skin protection

Neoprene gloves.

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Nitrile rubber.
Polyvinyl Alcohol Gloves (PVA).
Impervious gloves.
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respiratory protection

Wear appropriate respirator when ventilation is inadequate.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Appearance	Light blue/green opaque liquid
Odor	Citrus
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	Not flammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	>200F
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Oxidizing properties	No data available
pH	8.5-10.5
Kinematic viscosity	As water
Solubility	Water
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	0.99-1.01
Relative vapor density	No data available

SECTION 10: Stability and reactivity

10.2 Chemical stability

Stable under recommended storage conditions.

10.4 Conditions to avoid

Extreme temperatures, introduction of any extraneous materials.

10.5 Incompatible materials

Strong acids, strong oxidizers, alkali material

Fragrance: Strong oxidizing agents.

Sodium carbonate: Sodium carbonate reacts with acids with release of large volumes of carbon dioxide gas and heat.

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10.6 Hazardous decomposition products

Water: In the event of fire: see section 5

Fragrance: No hazardous decomposition products are known.

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation
May cause skin irritation

Serious eye damage/irritation
Severe eye irritation.

Respiratory or skin sensitization
May cause skin sensitization

SECTION 12: Ecological information

Persistence and degradability
Biodegradable

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Dispose of container and unused contents in accordance with federal, state, and local requirements.

Packaging disposal
Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

D-Limonene

Pennsylvania Right To Know Components

D-Limonene

New Jersey Right To Know Components

D-Limonene

California Prop. 65 Components

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

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Water

CAS-No. 7732-18-5

New Jersey Right To Know Components

Water

CAS-No. 7732-18-5

California Prop. 65 Components

WARNING: This product can expose you to chemicals including Ethylene Oxide, Ethylene Glycol , Acetaldehyde, which is/are known to the State of California to cause cancer, and Methanol, Methyl isobutyl ketone, which is/are

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known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SARA 311/312 Hazards

Acute Health Hazard

Pennsylvania Right To Know Components

Sodium carbonate

CAS-No.: 497-19-8

New Jersey Right To Know Components

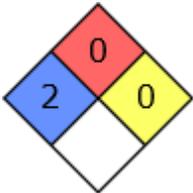
Sodium carbonate

CAS-No.: 497-19-8

HMIS Rating

Bio-Enzymatic Kennel And Turf Wash	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

This Safety Data Sheet is offered solely for your information, consideration and investigation. There are no warranties, either expressed or implied and no responsibility is assumed for the accuracy or completeness of the data contained herein.