Safety Data Sheet

1. Identification

Product Information. 106990-117701-106989

Product Name: Kill Odor Plus

Recommended Use. Professional Deodorizer

Uses advised against. Professional Use Only

Supplier.
Legend Brands
Chemspec
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Emergency telephone number.
INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200
Reproductive Toxicity, category 2
Skin Sensitizer, category 1

GHS Pictograms



Signal Word
Warning

Unknown Acute Toxicity
2.3% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

Precautionary Statements - Prevention.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye protection, face protection

Precautionary Statements - Response.
If on skin: Wash with plenty of water.
If exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.

Precautionary Statements - Storage.
Store locked up.

Precautionary Statements - Disposal.
Dispose of contents in accordance with local, regional, national, international regulations.

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	2.5-10
SODIUM (C14-16) OLEFIN SULFONATE	68439-57-6	2.5-10
alpha-terpineol	98-55-5	1.0-2.5
Benzyl alcohol	100-51-6	0.1-1.0
Orange Oil	8008-57-9	0.1-1.0
Benzyl acetate	140-11-4	0.1-1.0
BENZOIC ACID, 2-HYDROXY-, METHYL ESTER	119-36-8	0.1-1.0
Benzyl Salicylate	118-58-1	0.1-1.0
4-ALLYL-2-METHOXYPHENOL	97-53-0	0.1-1.0
alpha-Methylcinnamaldehyde	101-39-3	0.1-1.0
Butylated hydroxytoluene (BHT)	128-37-0	0.1-1.0

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

4. First-aid Measures

Description of first-aid measures.

General advice.
Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.
Move to fresh air.

Skin contact.
Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

Symptoms.
See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.
Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.
High volume water jet.

Special hazards arising from the substance or mixture.

No information available.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
2-(2-BUTOXYETHOXY)ETHANOL	10 ppm	N.E.	N.E.	N.E.
Benzyl acetate	10 ppm	N.E.	N.E.	N.E.
Butylated hydroxytoluene (BHT)	2 mg/m^3	N.E.	N.E.	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid

Appearance	Clear liquid
Color	Yellow
Odor	Spice
Odor Threshold	No Information
pH	8.0
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	93 (199.40)
Boiling point/boiling range., °C (°F)	100 - 1,461 (212 - 2661.8)
Evaporation rate	No Information
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm^3)	1.003
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature.,°C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	15%
Density, lb/gal	No Information

10. Stability and Reactivity

Reactivity.
Stable under normal conditions.

Chemical stability.
Stable under recommended storage conditions.

Possibility of hazardous reactions.
None known based on information supplied.

Conditions to Avoid.
None known.

Incompatible Materials.
None known based on information supplied.

Hazardous Decomposition Products.
None known.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	34,496.1 mg/kg
ATEmix (dermal)	25,973.0 mg/kg
ATEmix (inhalation - vapor)	995.48 mg/l

Component Information.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	5660 mg/kg Rat	2700 mg/kg Rabbit	N.I.
68439-57-6	SODIUM (C14-16) OLEFIN SULFONATE	2220 mg/kg Rat	6300	N.I.

98-55-5	alpha-terpineol	5170 mg/kg Rat	>2000 mg/kg Rat	N.I.
100-51-6	Benzyl alcohol	1230	N.I.	8.8 (Vapor)
8008-57-9	Orange Oil	4400	>5000 mg/kg Rabbit	N.I.
140-11-4	Benzyl acetate	2490	N.I.	N.I.
119-36-8	BENZOIC ACID, 2-HYDROXY-, METHYL ESTER	887	N.I.	N.I.
118-58-1	Benzyl Salicylate	2227	14150	N.I.
97-53-0	4-ALLYL-2-METHOXYPHENOL	1930	N.I.	N.I.
101-39-3	alpha-Methylcinnamaldehyde	2050	N.I.	N.I.
128-37-0	Butylated hydroxytoluene (BHT)	890	N.I.	N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

CAS-No.	Chemical Name	IARC	NTP	OSHA
140-11-4	Benzyl acetate	IARC Group 3	-	-
97-53-0	4-ALLYL-2-METHOXYPHENOL	IARC Group 3	-	-
128-37-0	Butylated hydroxytoluene (BHT)	IARC Group 3	-	-

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information

Toxicity.

2.78% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
2-(2-BUTOXYETHOXY) ETHANOL 112-34-5	EC50 96 h Desmodesmus subspicatus >100 mg/L	LC50 96 h Lepomis macrochirus 1300 mg/L	EC50 48 h Daphnia magna >100 mg/L
SODIUM (C14-16) OLEFIN SULFONATE 68439-57-6	-	LC50 96 h Brachydanio rerio 1.0 - 10.0 mg/L, LC50 96 h Brachydanio rerio 12.2 mg/L	-
Benzyl alcohol 100-51-6	-	LC50 96 h Pimephales promelas 460 mg/L, LC50 96 h Lepomis macrochirus 10 mg/L	EC50 48 h water flea 23 mg/L
Benzyl Salicylate 118-58-1	-	LC50 96 h Danio rerio 1.03 mg/L	-

4-ALLYL-2-METHOXYPHENOL 97-53-0	-	LC50 96 h Danio rerio 13 mg/L	-
Butylated hydroxytoluene (BHT) 128-37-0	EC50 72 h Pseudokirchneriella subcapitata 6 mg/L, EC50 72 h Desmodesmus subspicatus >0.42 mg/L	-	-

Persistence and degradability.
No data are available on the product itself.

Bioaccumulative potential.
Discharge into the environment must be avoided.

CAS-No.	Chemical Name	log POW
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	1
68439-57-6	SODIUM (C14-16) OLEFIN SULFONATE	-1.3
100-51-6	Benzyl alcohol	1.05
140-11-4	Benzyl acetate	1.96
119-36-8	BENZOIC ACID, 2-HYDROXY-, METHYL ESTER	2.55
118-58-1	Benzyl Salicylate	4
97-53-0	4-ALLYL-2-METHOXYPHENOL	1.83
128-37-0	Butylated hydroxytoluene (BHT)	5.1

Mobility in soil.
No information

Other adverse effects.
No information

13. Disposal Considerations

Waste Disposal Guidance.
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

DOT
Shipping Name: Not Regulated

IMDG
Proper Shipping Name: Not Regulated

IATA
Proper Shipping Name: Not Regulated

15. Regulatory Information

International Inventories:

TSCA	Complies
DSL	Complies
DSL/NDSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AIIC	Complies
NZIoC	Complies
TCSI	

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDSL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AIIC	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

U.S. Federal Regulations:

SARA SECTION 313:

This product does not contain any chemicals that are subject to the reporting requirements of SARA 313.

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS

No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

16. Other Information

Revision Date: 11/4/2024 **Supersedes Date:** 11/4/2024

Reason for revision:
Revision Description Changed
Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
01 - Product Information
11 - Toxicological Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	1	**Flammability:**	2	**Physical Hazard:**	0	**Personal Protection:**	X

NFPA Ratings:

Health:	1	**Flammability:**	2	**Instability:**	0	**Physical & Chemical:**	-

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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