



# Safety Data Sheet

## 1. Identification

<b>Product Information.</b>	W.20234 REV_D
<b>Product Name:</b>	KILL ODOR PLUS
<b>Recommended Use.</b>	Professional Textile Cleaning
<b>Uses advised against.</b>	Professional Use Only
<b>Supplier.</b>	Legend Brands Chemspec 15180 Josh Wilson Road Burlington, WA 98233 E-Mail: sds@legendbrands.com 800-932-3030  Legend Brands 4520 Eastgate Parkway Mississauga, ON L4W 3W6 800-932-3030
<b>Emergency telephone number.</b>	INFOTRAC 1-800-535-5053 (North America) +1-352-323-3500 (International)

## 2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Flammable Liquid, category 4

STOT, repeated exposure, category 1

### GHS Pictograms



### Signal Word

Danger

### Unknown Acute Toxicity

1.4% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

Combustible liquid.

Causes damage to organs through prolonged or repeated exposure.

### Precautionary Statements - Prevention.

Keep away from heat. - No smoking.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary Statements - Response.

Get medical advice/attention if you feel unwell.

In case of fire: Use carbon dioxide to extinguish.

#### **Precautionary Statements - Storage.**

Store in a well-ventilated place. Keep cool.

#### **Precautionary Statements - Disposal.**

Dispose of contents/ container to an approved waste disposal plant.

### **3. Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
Ethylene glycol monobutyl ether	111-76-2	5-10	
SODIUM (C14-16) OLEFIN SULFONATE	68439-57-6	1-5	
alpha-terpineol	98-55-5	0.5-1.5	
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	
methyl salicylate	119-36-8	0.1-1.0	
4-ALLYL-2-METHOXYPHENOL	97-53-0	0.1-1.0	
Butylated hydroxytoluene (BHT)	128-37-0	0.1-1.0	
alpha-Methylcinnamaldehyde	101-39-3	0.1-1.0	

### **4. First-aid Measures**

#### **Description of first-aid measures.**

##### **General advice.**

Call a physician if irritation develops or persists. Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

##### **Inhalation.**

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

##### **Skin contact.**

If skin irritation persists, call a physician. 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. Call a physician if irritation develops or persists. Remove contact lenses, if present.

##### **Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. 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.**

Water spray. Foam. Dry powder. Dry chemical. Alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>).

##### **Extinguishing media which shall not be used for safety reasons.**

High volume water jet.

#### **Special hazards arising from the substance or mixture.**

Flash back possible over considerable distance. Hazardous decomposition products formed under fire conditions.

#### **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.**

Remove all sources of ignition. Use personal protection recommended in Section 8.

### Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. 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. Use personal protective equipment. Remove all sources of ignition.

#### **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. Keep away from sources of ignition - No smoking.

#### **Hygiene measures.**

See section 7 for more information.

#### **Storage Conditions.**

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

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Ethylene glycol monobutyl ether	20 ppm	N.E.	50 ppm	N.E.
Benzyl acetate	10 ppm	N.E.	N.E.	N.E.
Butylated hydroxytoluene (BHT)	2 mg/m <sup>3</sup>	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)	78 (172.40)
Boiling point/boiling range., °C (°F)	100 - 1,461 (212 - 2661.8)
Evaporation rate	Faster than Diethyl Ether
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	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.**

Strong oxidizing agents.

**Incompatible Materials.**

None known based on information supplied.

**Hazardous Decomposition Products.**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 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)	4,935.9 mg/kg
ATEmix (dermal)	20,199.4 mg/kg

#### Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
111-76-2	Ethylene glycol monobutyl ether	470	2000	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	methyl salicylate	890 mg/kg - rat	5005 mg/kg	N.I.
97-53-0	4-ALLYL-2-METHOXYPHENOL	1930	N.I.	N.I.
128-37-0	Butylated hydroxytoluene (BHT)	890	N.I.	N.I.
101-39-3	alpha-Methylcinnamaldehyde	2050	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

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
111-76-2	Ethylene glycol monobutyl ether	IARC Group 3	-	-
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
Ethylene glycol monobutyl ether 111-76-2	-	LC50 96 h Lepomis macrochirus 1490 mg/L, LC50 96 h Lepomis macrochirus 2950 mg/L	EC50 48 h Daphnia magna >1000 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
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.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>log POW</u>
111-76-2	Ethylene glycol monobutyl ether	0.81
100-51-6	Benzyl alcohol	1.1
140-11-4	Benzyl acetate	1.96
119-36-8	methyl salicylate	2.55
128-37-0	Butylated hydroxytoluene (BHT)	4.17

### 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

No Information

## 15. Regulatory Information

### International Inventories:

TSCA	-
DSL	-
DSL/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

**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.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class B2

**16. Other Information**

<b>Revision Date:</b>	5/3/2021	<b>Supersedes Date:</b>	New SDS
<b>Reason for revision:</b>	No Information		
<b>Datasheet produced by:</b>	Regulatory Department		

**HMIS Ratings:**

<b>Health:</b>	0	<b>Flammability:</b>	2	<b>Physical Hazard:</b>	N.I.	<b>Personal Protection:</b>	N.I.
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**NFPA Ratings:**

<b>Health:</b>	0	<b>Flammability:</b>	2	<b>Instability:</b>	N.I.	<b>Physical &amp; Chemical:</b>	N.I.
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief 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 as 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 material or in any process, unless specified in the text.