

1. Identification

Product Information.	103907 W.50218
Product Name:	Odorx Double-O
Recommended Use.	Professional Deodorizer
Uses advised against.	Professional Use Only
Supplier.	The Restoration Group Ltd 53 Wakefield Street Onekawa, Napier 4110 New Zealand
Emergency telephone number.	National Poisons Centre 0800 764 766

2. Hazards Identification

Odorox 9-D-9 is considered Dangerous Goods for Transport

Odorox 9-D-9 is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

Classified under the group standard "Cleaning Products (Flammable) Group Standard 2017"

HSNO APPROVAL NUMBER: HSR002528

Signal Word: Warning

Pictograms



HSNO Classification:

- 3.1C - Flammable liquid and vapor.**
- 6.3A - Causes skin irritation.**
- 3.5B - May cause an allergic skin reaction.**
- 6.4A - Causes serious eye irritation.**

Unknown Acute Toxicity

36.9% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary Statements - Prevention.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

- P241** Use explosion-proof electrical/ventilating/lighting/equipment.
 - P242** Use only non-sparking tools.
 - P243** Take precautionary measures against static discharge.
 - P261** Avoid breathing dust/fume/gas/mist/vapors/spray.
 - P264** Wash face and hands and any exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response.

- P302 + P350** If on skin: Wash with plenty of water.
 - P303 + P361 + P353** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P305 + P351 + P338** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (If applicable, see label for any additional instructions).
- P332 + P313** If skin irritation or rash occurs: Get medical advice/attention.
 - P337 + P313** If eye irritation persists: Get medical advice/attention.
 - P362** Take off contaminated clothing and wash it before reuse.
 - P370 + P378** In case of fire: Use CO₂ dry chemical or foam to extinguish.

Precautionary Statements - Storage.

- P403** Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal.

- P501** Dispose of contents in accordance with local/regional/national/international regulations.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
DIPROPYLENE GLYCOL	25265-71-8	25-50
D-limonene	5989-27-5	25-50
Polyethylene glycol octylpheny ether	9036-19-5	10-25
Myrcene	123-35-3	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. 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 (CO₂).

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>
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Contains no substances with occupational exposure limit values.

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	No Information
Appearance	No Information
Color	No Information
Odor	No Information
Odor Threshold	No Information
pH	8.2
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	53 (127.40)
Boiling point/boiling range., °C (°F)	176 - 230 (348.8 - 446)
Evaporation rate	Faster than Diethyl Ether
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	0.960
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.	477
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 (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

LD50 Oral 5,366.00 mg/kg	LD50 Dermal 8,865.00 mg/kg	LC50 Inhalation (Vapor) 59.00 mg/l
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Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
5989-27-5	D-limonene	5200 mg/kg, 4400 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
9036-19-5	Polyethylene glycol octylpheny ether	1700 mg/kg Rat	N.I.	N.I.
123-35-3	Myrcene	>5000 mg/kg Rat	>5000 mg/kg Rabbit	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>
5989-27-5	D-limonene	IARC Group 3	-	-
123-35-3	Myrcene	IARC Group 2B	-	-

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.

50.18% 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
D-limonene 5989-27-5	-	LC50 96 h Pimephales promelas 0.619 - 0.796 mg/L, LC50 96 h Oncorhynchus mykiss 35 mg/L	-

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

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

Additional Information: Note: According to 49 CFR §173.150(f)(1), this material was reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impractical.

IMDG

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Proper Shipping Name: Flammable Liquid, N.O.S. (D'LIMONENE AND MONOCHLOROTOLUENE)

Hazard Class: 3

UN Number: 1993

Packing Group: III

Additional Information: This product contains a chemical which is listed as a marine pollutant according to DOT

IATA

No Information

Additional Information: Air transport is not recommended

Additional Information

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

15. Regulatory Information

Group Standard Allocation: Cleaning Products (Flammable) Group Standard

HSNO Approval Code: 2020 HSR002528

HSNO Classifications:
 3.1C - Flammable liquid and vapor.
 6.3A - Causes skin irritation.
 3.5B - May cause an allergic skin reaction.
 6.4A - Causes serious eye irritation.

This substance triggers:	Compliance Certificate	N/A
	Certified Handler	N/A
	Emergency Response Plan	10,000L
	Secondary Containment	10,000L
	Signage	1,000L

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

16. Other Information

Revision Date: 1 July 2022 **Supersedes Date:** New SDS
Reason for revision: No Information
Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2	Flammability:	2	Physical Hazard:	0	Personal Protection:	X
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NFPA Ratings:

Health:	2	Flammability:	2	Instability:	0	Physical & Chemical:	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.