1. Identification

Product Information. W.20389 REV_C

Product Name: Odorx 9-D-9

Recommended Use. Professional Deodorizer

Uses advised against. Professional Use Only

Supplier. The Restoration Group
53 Wakefield Street,
Onekawa, Napier 4110
Phone 06-835-0065

Emergency telephone number. National Poisons Centre
0800-764-766

2. Hazards Identification

Odorox 9-D-9 is classified as a Dangerous Good 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, Corrosive) Group Standard 2017”

HSNO APPROVAL NUMBER: HSR002529

HSNO CLASSIFICATIONS:
6.1E - Acutely toxic, oral
6.3A – Irritating to skin
8.3A – Corrosive to eyes

PICTORGRAMS:

Signal Word
DANGER

Unknown Acute Toxicity
1.9% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS:

3.1C Flammable liquid and vapor.
6.5B May cause an allergic skin reaction.
8.3A Causes serious eye damage.

Precautionary Statements - Prevention.
P210+233+244+241 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

P261+P272 + P280	Avoid breathing dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response.

P302+P352	If on skin: Wash with plenty of water.
P333+P313	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321+P363	If skin irritation or rash occurs: Get medical advice/attention.
P370+P378	In case of fire: Use CO_2 dry chemical or foam to extinguish.

Precautionary Statements - Storage.

P403+P235	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

Chemical Name	CAS-No.	Wt. %
ALCOHOLS, C12-15, ETHOXYLATED	68131-39-5	10-25
Isopropyl alcohol	67-63-0	10-25
DIPROPYLENE GLYCOL	25265-71-8	10-25
2,4-PENTANEDIOL, 2-METHYL-	107-41-5	2.5-10
AMYL SALICYLATE	2050-08-0	1.0-2.5
methyl salicylate	119-36-8	1.0-2.5
D-limonene	5989-27-5	0.1-1.0
COUMARIN	91-64-5	0.1-1.0
1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	99-86-5	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 (CO_2).

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

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Isopropyl alcohol	200 ppm	400 ppm	400 ppm	N.E.
2,4-PENTANEDIOL, 2-METHYL-	25 ppm	50 ppm	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	No Information
Color	No Information
Odor	Wintergreen
Odor Threshold	No Information
pH	7.7
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	27 (80.60)
Boiling point/boiling range., °C (°F)	108 - 302 (226.4 - 575.6)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	4.3
Vapor density.	No Information
Specific Gravity. (g/cm^3)	0.970
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.	210
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_2), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

LD50 Oral	LD50 Dermal	LC50 Inhalation (Vapor)
3,502.00 mg/kg	18,139.00 mg/kg	320.70 mg/l

Component Information.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
68131-39-5	ALCOHOLS, C12-15, ETHOXYLATED	1600 mg/kg Rat	2500 mg/kg Rabbit	6 mg/l (Dust)
67-63-0	Isopropyl alcohol	5840 mg/kg (Rat)	13,900 mg/kg (Rabbit)	N.I.
107-41-5	2,4-PENTANEDIOL, 2-METHYL-	3700 mg/kg Rat	12300 mg/kg Rabbit	>.3 mg/L Rat (Vapor)
2050-08-0	AMYL SALICYLATE	4100 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
119-36-8	methyl salicylate	890 mg/kg - rat	5005 mg/kg	N.I.
5989-27-5	D-limonene	5200 mg/kg, 4400 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
91-64-5	COUMARIN	>5000 mg/kg Rat	293 mg/kg Rat	N.I.
99-86-5	1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	1680 mg/kg Rat	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
91-64-5	COUMARIN	IARC Group 3	-	-
5989-27-5	D-limonene	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.

41.07% 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
Isopropyl alcohol 67-63-0	EC50 96 h Desmodesmus subspicatus >1000 mg/L, EC50 72 h Desmodesmus subspicatus >1000 mg/L	LC50 96 h Pimephales promelas 9640 mg/L, LC50 96 h Pimephales promelas 11130 mg/L, LC50 96 h Lepomis macrochirus >1400000 µg/L	EC50 48 h Daphnia magna 13299 mg/L
2,4-PENTANEDIOL, 2-METHYL- 107-41-5	-	LC50 96 h Pimephales promelas 10500 - 11000 mg/L, LC50 96 h Lepomis macrochirus 10000 mg/L, LC50 96 h Pimephales promelas 8690 mg/L, LC50 96 h Pimephales promelas 10700 mg/L	EC50 48 h Daphnia magna 2700 - 3700 mg/L
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.

CAS-No.	Chemical Name	log POW
67-63-0	Isopropyl alcohol	0.05
107-41-5	2,4-PENTANEDIOL, 2-METHYL-	<0.14
119-36-8	methyl salicylate	2.55

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: Limited Quantity
Hazard Class: 3
UN/NA Number: 1993
Packing Group: III

IMDG

Proper Shipping Name: Flammable Liquid, N.O.S. (Isopropanol)
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 IMDG/IMO

IATA No Information

15. Regulatory Information

Group Standard Allocation:Cleaning Products (Flammable, Corrosive) Group Standard 2017 HSR002530

HSNO Approval Code: HSR002529

HSNO CLASSIFICATIONS:
6.1E - Acutely toxic, oral
6.3A – Irritating to skin
8.3A – Corrosive to eyes

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.

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

Chemical Name	CAS-No.	Weight Percent
Isopropyl alcohol	67-63-0	10-25

16. Other Information

Revision Date: 5/21/2021 **Supersedes Date:** 6/1/2020

Reason for revision: Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
01 - Product Information
02 - Hazards Identification
03 - Composition/Information on Ingredients
11 - Toxicological Information
14 - Transportation Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2	**Flammability:**	3	**Physical Hazard:**	0	**Personal Protection:**	X

NFPA Ratings:

Health:	2	**Flammability:**	3	**Instability:**	0	**Physical & Chemical:**	-

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summaries our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. This substance is approved under HSNO for use as a cleaning chemical. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance. All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 1 June 2022
Reason for Revision: Update to New Zealand regulatory requirements.
References:
EPA NZ Chemical Classification and Information Database
EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014
Supplier SDS: Legend Brands Odorox 9-D-9 SDS Sheet