

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012) Date of issue: 05/31/2018 Revision date: 01/05/2024 Printed: 01/05/2024 Version 3.1

#### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product identifier

Product name : RADOX Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses of the substance/mixture : Pet product
Use advised against : None identified

1.3. Details of the supplier of the safety data sheet

Supplier : Amber NaturalZ, Inc.

1963 Pebble Circle Lake Point, UT 84074

Tel: 1-801-966-8895

1.4. Emergency telephone number

Emergency number : Amber NaturalZ, Inc.

M-F: 9 am - 5 pm (MST) Tel: Toll Free: 1-877-727-8243

24/7 Line

Tel: 801-250-1205

#### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

Flammable liquid, 3

# 2.2. Label elements

Labelling

Hazard pictograms



Signal word : Warning

Hazard statements : Flammable liquid and vapor

Precautionary statements : Keep away from heat, open flames, sparks. – No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical equipment

Use only non-sparking tools

Take precautionary measures against static discharge

If on skin (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower

In case of fire: Use dry sand, dry chemical or alcohol resistant foam

to extinguish

Store in a well-ventilated place. Keep cool

Dispose of contents/container to comply with applicable local,

national, and international regulations.

2.3 Other hazards

Other hazards which do not result in : Spills of this product present slipping hazard.

classification

# 2.4. Unknown acute toxicity



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Not applicable

### SECTION 3: Composition/Information on Ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

Name	Product identifier	% w/w
Ethanol	(CAS No) 64-17-5	<18

The specific chemical\ component identities and/or the exact component percentages of this material may be withheld as trade secrets. This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1).

Trace ingredients (if any) are present < 1% concentration, (<0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

#### SECTION 4: First-Aid Measures

4.4	Dagarintian	- <b>f</b> f: 4 - : -!	
4.1.	Description	of first alo	ı measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel

unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable

for breathing. Get medical advice/attention.

First-aid measures after skin contact : Rinse skin with water. Wash contaminated clothing before reuse. If

skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious).

Call a POISON CENTER or doctor/physician if unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after eye contact : Direct contact may cause serious eye irritation. Symptoms include

stinging, watering, redness, and swelling.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

# SECTION 5: Firefighting Measures

# 5.1. Extinguishing media

Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials.

Use dry sand, dry chemical or alcohol -resistant foam to extinguish.

Unsuitable extinguishing media : None known.

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

No additional information available

#### 5.3. Advice for firefighters

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise

caution when fighting any chemical fire. Prevent fire-fighting water

from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including

respiratory protection.

Other information : Most vapors are heavier than air. They will spread along ground and

collect in low or confined areas (sewers, basements, tanks).

#### SECTION 6: Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Special danger of slipping by

leaking/spilling product. Avoid contact with eyes. Avoid breathing mist and spray. Evacuate unnecessary personnel. Equip cleanup crew

with proper protection.

#### 6.2. Environmental precaution

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth

as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ensure all

national/local regulations are observed.

### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Ensure good ventilation of the

workstation. Avoid contact with eyes. Wear personal protective

equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash

hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of reach of children. Keep only in the original container in

well-ventilated place. Keep container closed when not in use. Keep away from incompatible materials. Keep away from sources of heat.

Incompatible materials : Strong oxidizing agents. Rubber packagings.

### 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure Controls/Personal Protection

# 8.1. Control parameters

Ethanol (64-17-5)		
ACGIH	ACGIH STEL (ppm)	1000 ppm
ACGIH	Remark (ACGIH)	URT irr
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

# 8.2. Exposure controls



according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Appropriate engineering controls : Ensure good ventilation of the workstation. Emergency eye wash

fountains should be available in the immediate vicinity of any

potential exposure.

Personal protective equipment : Handle in accordance with good industrial hygiene and safety

practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.

Hand protection : In case of repeated or prolonged contact wear gloves.

Eye protection : Wear goggles if splashing or spraying is anticipated.

Skin and body protection : In case of repeated or prolonged exposure: Personal protective

clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before

handling.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory

equipment.

Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Dark Brown

Odor : Aromatic, Bitter, Beet Aroma

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

Flash point : 112.28°F (44.6°C)

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable

Vapor pressure : <59 hPa at 20°C (68°F) (estimated)

Relative vapor density at 20 °C : < 1.6 (estimated)

Relative density : < 1.0 (water=1)

Solubility : No data available

Log Pow : No data available

Log know : No data available

Viscosity, kinematic : No data available

Viscosity : Not applicable (water-like)

Explosive properties : Not applicable

Oxidizing properties : Not applicable

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Explosive limits : Not applicable

### 9.2. Other information

No additional information available

# SECTION 10: Stability and Reactivity

#### 10.1. Reactivity

Non-reactive.

### 10.2. Chemical stability

The product is stable at normal handling and storage condition.

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

Heat, direct sunlight, flames and sparks.

# 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Thermal decomposition products: Carbon monoxide. Carbon dioxide.

# SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

Potential routes of entry : Inhalation, skin, ingestion

Acute toxicity : Not classified

No testing on this product is obtained. Toxicity endpoints and acute toxicity estimate (ATE) are evaluated according to the criteria of the

third revision of the GHS.

 Ethanol (64-17-5)

 LC50 inhalation rat (mg/l)
 124.8 mg/l 4h

ATE (oral) : ca >2000 mg/kg (Estimated)

ATE (dermal) : ca >2000 mg/kg (Estimated)

ATE (inhalation-mist) : ca >5 mg/kg (Estimated)

ATE (inhalation-vapor) : ca >20 mg/kg (Estimated)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

(Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified

(Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified

(Based on available data, the classification criteria are not met)



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Ethanol (64-17-5)			
IARC	1- Carcinogenic to human		
	There is sufficient evidence in humans for the carcinogenicity of alcohol consumption.		

Reproductive toxicity : Not classified

(Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified

(Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated

exposure)

: Not classified

(Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified

(Based on available data, the classification criteria are not met)

Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms include stinging, watering,

redness, and swelling.

# SECTION 12: Ecological Information

12.1. Toxicity

Ecology – general : The product is not considered harmful to aquatic organisms or to

cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

### SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national

regulations. Dispose of contents/container to comply with applicable

local, national and international regulations.

Ecology – waste materials : Avoid release to the environment.

### SECTION 14: Transport Information

### In accordance with DOT

Not regulated when transported



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According to the 49 CFR 173.150(e)(2), the subject product is not regulated for transport since aqueous solution containing 24 percent or less alcohol by volume and no other hazardous material.

Marine pollutant : NO

#### **ADR**

No additional information available

#### Transport by sea

No additional information available

### Air transport (IATA)

Special Provision A58 – An aqueous solution containing 24% or less alcohol by volume is not subject to these Regulations.

#### SECTION 15: Regulatory Information

**15.1.** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

No additional information available

### 15.3. Fire Code Compliance

Store this product in accordance with applicable regulations enforced at the site of storage by the governing code authority.

#### 15.4. US State regulations

California Proposition 65 – NOTE: This product has NOT evaluated against the latest requirements of the California Proposition 65 to meet the safe harbor warning requirements introduced by the office of Environmental Health Hazards Assessment (OEHHA), during it OSHA hazards classification evaluation. However, this product contains ethanol, which is found in alcoholic beverages and known to the State of California to cause cancer.

Ethanol (64-17-5)				
U.S. – California – Proposition 65 – Carcinogens List	U.S. – California – Proposition 65 – Developmental Toxicity	U.S. – California - Proposition 65 – Reproductive Toxicity – Female	U.S. – California – Proposition 65 – Reproductive Toxicity – Male	Non-significant risk level (NSRL)
Yes	Yes	No	No	

### SECTION 16: Other Information

Indication of changes : 14- Transport Information

15- Regulatory Information

Revision date : V3.0: 10/23/2020

Revision date : V3.1: 01/05/2024

Indication of change : 1- Identification of the Substance/Mixture and of the

Company/Undertaking: Emergency Telephone Number.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as quaranteeing any specific property of the product.