

SAFETY DATA SHEET

1. Identification

Material name: BROWNTONE VOX

Material: 359LB-05

Recommended use and restriction on use

Recommended use: Coatings

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Euclid Admixture Canada Inc.

2835 Grand-Allee

Saint Hubert QC J4T 2R4

CA

Contact person:

EH&S Department

Telephone:

(450)465-2233

Emergency telephone number:

1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity

Category 2

Unknown toxicity - Health

Acute toxicity, oral 26.59 %

Acute toxicity, dermal 26.65 %

Acute toxicity, inhalation, vapor 30.21 %

Acute toxicity, inhalation, dust
or mist 27.21 %

Label Elements

Hazard Symbol:



Signal Word:

Warning

Hazard Statement:

Suspected of causing cancer.

Precautionary Statements

| | |
|--------------------|--|
| Prevention: | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. |
| Response: | IF exposed or concerned: Get medical advice/attention. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations. |

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|--------------------------------|------------|-------------------------|
| 1-Phenoxy-2-propanol | 770-35-4 | 1 - <5% |
| 2-Butoxyethanol (Glycol ether) | 111-76-2 | 0.1 - <1% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

| | |
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| Inhalation: | Move to fresh air. |
| Skin Contact: | Remove contaminated clothing and wash the skin thoroughly with soap and water after work. |
| Eye contact: | Rinse immediately with plenty of water. |
| Ingestion: | Rinse mouth thoroughly. |
| Personal Protection for First-aid Responders: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |

Most important symptoms/effects, acute and delayed

| | |
|------------------|------------------------------------|
| Symptoms: | May cause skin and eye irritation. |
| Hazards: | No data available. |

Indication of immediate medical attention and special treatment needed

| | |
|-------------------|--------------------------|
| Treatment: | Symptoms may be delayed. |
|-------------------|--------------------------|

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Accidental release measures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Safe handling advice: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.

Contact avoidance measures: No data available.



Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

Storage

Safe storage conditions: Store locked up.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|--------------------------------|------|------------------------------|---|
| 2-Butoxyethanol (Glycol ether) | PEL | 50 ppm 240 mg/m ³ | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| | TWA | 20 ppm | US. ACGIH Threshold Limit Values, as amended (2008) |

None of the components have assigned exposure limits.

| Chemical name | Type | Exposure Limit Values | Source |
|--------------------------------|------|-----------------------|--|
| 2-Butoxyethanol (Glycol ether) | TWA | 20 ppm | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| 2-Butoxyethanol (Glycol ether) | TWA | 20 ppm | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| 2-Butoxyethanol (Glycol ether) | TWA | 20 ppm | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020) |

Biological Limit Values

| Chemical Identity | Exposure Limit Values | Source |
|---|--------------------------------|---------------------|
| 2-Butoxyethanol (Glycol ether) (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: End of shift.) | 200 mg/g (Creatinine in urine) | ACGIH BEI (03 2013) |

Appropriate Engineering Controls Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear goggles/face shield.

Skin Protection

Hand Protection: Additional Information: Use suitable protective gloves if risk of skin contact.

Skin and Body Protection: No data available.

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| Respiratory Protection: | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. |

9. Physical and chemical properties

Appearance

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|---|--------------------|
| Physical state: | liquid |
| Form: | liquid |
| Color: | Beige |
| Odor: | Mild |
| Odor threshold: | No data available. |
| pH: | 7.43 |
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | No data available. |
| Flash Point: | > 100 °C > 212 °F |
| Evaporation rate: | Slower than Ether |
| Flammability (solid, gas): | No |

Upper/lower limit on flammability or explosive limits

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|---|---|
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| Relative density: | 1.03 |
| Solubility(ies) | |
| Solubility in water: | Soluble |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |

10. Stability and reactivity

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|--|---|
| Reactivity: | No data available. |
| Chemical Stability: | Material is stable under normal conditions. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Avoid heat or contamination. |

Incompatible Materials: Strong acids. Strong bases.

Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Inhalation: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Skin Contact: Moderately irritating to skin with prolonged exposure.

Eye contact: Eye contact is possible and should be avoided.

Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: ATEmix: 76,916.48 mg/kg

Dermal Product: ATEmix: 54,308.66 mg/kg

Inhalation Product:

Specified substance(s):
1-Phenoxy-2-propanol LC 50 (Rat): > 5.4 mg/l

2-Butoxyethanol (Glycol ether) LC 50 (Rat): 2.2 mg/l

Repeated dose toxicity Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

1-Phenoxy-2-propanol in vivo (Rabbit): Not irritant , 24 - 72 h

2-Butoxyethanol (Glycol ether) in vivo (Rabbit): Irritating

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

1-Phenoxy-2-propanol Rabbit, 24 - 72 hrs: Irritating

2-Butoxyethanol (Glycol ether) Rabbit, 24 - 72 hrs: Highly irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

1-Phenoxy-2-propanol LC 50 (Pimephales promelas, 96 h): 280 mg/l Experimental result, Key study

2-Butoxyethanol (Glycol ether) LC 50 (Oncorhynchus mykiss, 96 h): 1,464 mg/l
LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

1-Phenoxy-2-propanol LC 50 (Daphnia magna, 48 h): 370 mg/l experimental result Experimental result, Key study

2-Butoxyethanol (Glycol ether) EC 50 (Daphnia magna, 48 h): 1,800 mg/l
EC 50 (Daphnia magna, 48 h): 1,550 mg/l experimental result Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

2-Butoxyethanol (Glycol ether) NOAEL (Danio rerio): > 100 mg/l experimental result Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

2-Butoxyethanol (Glycol ether) NOEC (Daphnia magna, 21 d): 100 mg/l
NOAEL (Daphnia magna): 100 mg/l experimental result Experimental result, Key study

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

1-Phenoxy-2-propanol 72 % (28 d) Detected in water. Experimental result, Key study

2-Butoxyethanol (Glycol ether) 90.4 % Detected in water. Experimental result, Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

1-Phenoxy-2-propanol Bioconcentration Factor (BCF): 0.78 Aquatic sediment Other, Supporting study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

2-Butoxyethanol (Glycol ether) Log Kow: 0.83

Mobility in soil: No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

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|-----------------------------------|
| 15. Regulatory information |
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US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

Carcinogenicity

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

Not regulated.

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov



International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and
exempt solvent) : 14 g/l

VOC Method 310 : 0.37 %

Inventory Status:

| | |
|--|--|
| Australia AICS: | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada DSL Inventory List: | One or more components in this product are not listed on or exempt from the Inventory. |
| EINECS, ELINCS or NLP: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List: | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | One or more components in this product are not listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI): | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada NDSL Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS: | One or more components in this product are not listed on or exempt from the Inventory. |
| US TSCA Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan ISHL Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing: | One or more components in this product are not listed on or exempt from the Inventory. |

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| 16. Other information, including date of preparation or last revision |
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Revision Date: 12/14/2022

Version #: 2.0

Further Information: No data available.

Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.