



SAFETY DATA SHEET

1. Identification

Product identifier	OdoBan® Odor Absorber, Citrus		
Other means of identification			
Synonyms	9735K59-14Z		
Recommended use	Air freshener		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/Distributor information			
Manufacturer			
Company name	Clean Control Corporation		
Address	2-291 Main Street, Suite 233 Wasaga Beach, Ontario Canada L9Z 0E8		
Telephone	800-841-3904		
E-mail	info@odoban.ca		
Emergency phone number	CHEMTREC:	chemtrec@chemtrec.com	
	CHEMTREC:	1-800-262-8200 (U.S.)	
	CHEMTREC:	1-703-741-5500 (International)	
Supplier	See above.		

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Sensitization, skin	Category 1
Environmental hazards	Not classified.	

Label elements



Signal word	Warning	
Hazard statement	May cause an allergic skin reaction.	
Precautionary statement		
Prevention	Avoid breathing fume. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.	
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).	
Storage	Store away from incompatible materials.	
Disposal	Dispose of container in accordance with local, regional, national and international regulations.	
Other hazards	None known.	
Supplemental information	Exempt - Consumer product	

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, or any consumer product as defined in section 2 of the Canada Consumer Product Safety Act.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
2,6-Octadienal, 3,7-dimethyl-		5392-40-5	0.1 - 1 *
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-		127-91-3	0.1 - 1 *
Oils, lime		8008-26-2	0.1 - 1 *

Chemical name	Common name and synonyms	CAS number	%
Oils, orange, sweet		8008-57-9	1 - 5 *
Terpenes and Terpenoids, lemon-oil		68917-33-9	0.1 - 1 *
Terpenes and Terpenoids, lime-oil		68917-71-5	0.1 - 1 *
Terpenes and terpenoids, sweet orange-oil		68647-72-3	0.1 - 1 *

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

Composition comments *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Powder. Dry chemical. Carbon dioxide.
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.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Sweep up or gather material and place in appropriate container for disposal. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Observe good industrial hygiene practices. Wash thoroughly after handling. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure controls/Personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	TWA	20 ppm	

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	TWA	111 mg/m3
		20 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	TWA	20 ppm

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	Form
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	TWA	20 ppm	

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	TWA	20 ppm	

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	TWA	112 mg/m3
		20 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	15 minute	30 ppm
	8 hour	20 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Canada - British Columbia OELs: Skin designation

2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Danger of cutaneous absorption

Canada - Ontario OELs: Skin designation

2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Danger of cutaneous absorption

Appropriate engineering controls	Ensure adequate ventilation.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Not normally required when used as directed.
Skin protection	
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Other	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not applicable.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and chemical properties

Appearance	Opaque Solid
Physical state	Solid.
Form	Solid.
Colour	Light tan
Odour	Citrus
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 93.0 °C (> 199.4 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
pH in aqueous solution	8.5 - 9.5

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not classified.

Components	Species	Test Results
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	6800 mg/kg, ECHA/HSDB
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	3700 mg/kg, ECHA
Oils, lime (CAS 8008-26-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, Sigma Aldrich
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, Sigma Aldrich
Oils, orange, sweet (CAS 8008-57-9)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA
Terpenes and Terpenoids, lemon-oil (CAS 68917-33-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	10000 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Not available	

Components	Species	Test Results
<i>Oral</i> LD50	Rat	5000 mg/kg, ECHA
Terpenes and Terpenoids, lime-oil (CAS 68917-71-5)		
Acute		
<i>Dermal</i> LD50	Not available	
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Not available	
Terpenes and terpenoids, sweet orange-oil (CAS 68647-72-3)		
Acute		
<i>Dermal</i> LD50	Rat	> 5000 mg/kg, Sigma Aldrich
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Rat	> 5000 mg/kg, Sigma Aldrich
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitisation		
ACGIH sensitisation		
Citral, inhalable fraction and vapor (CAS 5392-40-5)	Dermal sensitisation	
Turpentine and selected monoterpenes (CAS 127-91-3)	Dermal sensitisation	
Canada - Alberta OELs: Irritant		
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	Irritant	
Canada - Manitoba OELs Hazard: Dermal sensitization		
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)	Dermal sensitisation	
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	Dermal sensitisation	
Canada - Quebec OELs: Sensitizer		
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	Sensitiser.	
Canada - Saskatchewan OELs Hazard Data: Sensitiser		
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3)	Sensitiser.	
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	May cause an allergic skin reaction.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classified.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	

Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.
Further information	Not available.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components	Species	Test Results
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)		
Algae	IC50	Algae 16 mg/L, 72 Hours
Crustacea	EC50	Daphnia 7 mg/L, 48 Hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Mobility in soil No data available.

Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

General Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Exempt- consumer product

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, or any consumer product as defined in section 2 of the Canada Consumer Product Safety Act.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (CAS 127-91-3) 1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS status Exempt

International regulations

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes

Country(s) or region

Canada

Inventory name

Non-Domestic Substances List (NDSL)

On inventory (yes/no)*

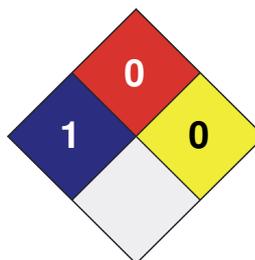
No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	*	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X



Issue date

21-December-2021

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03-August-2023

Version No.

02

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Prepared by

Dell Tech Laboratories Ltd. Phone: (519) 858-5021