



Safety Data Sheet

BRODI ODOUR CONTROL AIRBORNE MISTING ODOUR NEUTRALIZER

Material No.: Assorted Codes
Revision Date: February 17, 2021

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identification:

Product Name: BRODI ODOUR CONTROL AIRBORNE MISTING ODOUR NEUTRALIZER

Synonyms: AirSolution RTU

Chemical Family: Mixture

Application / Use: Deodorizer

Distributed By: Brodi Specialty Products
1-3175 14th Ave
Markham, ON
L3R 0H1

Prepared By: Technical Services

Telephone number of preparer: (416) 740-3900

24-Hour Emergency Telephone Number : CANUTEC 613-996-6666

2. HAZARDS IDENTIFICATION

The product is not classified according to Directive 1999/45/EC and its amendments

Information pertaining to special dangers for human and environment:

Adverse physicochemical effects:

Adverse human health effects and symptoms:

Eye Contact: May irritate eyes in sensitive individuals.

Skin Contact: May cause skin irritation in sensitive individuals.

Inhalation: Vapor may be irritating to throat, lungs and pulmonary tract.

Ingestion: May cause nausea if swallowed.

Adverse environmental effects:

There is no known ecological information for this product.

Other adverse hazards:

There is no additional information for this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredients	EC Name	CAS#	EC #	Percentage (W/W)	Classification (DSD)	LD50s and LC50s Route & Species:
Isopropyl Alcohol	propan-2-ol	67-63-0	200-661-7	1 – 5 %	F; R10 - Xi; R36 - R67	LD50: 4,720 mg/kg (oral / rat) LC50: >12,000 ppm 8 / H (rat)
Polyoxyethylene sorbitan monooleate	Sorbitan monooleate, ethoxylated	9005-65-6	500-019-9	1 – 5 %	This substance is not listed in the Annex I of Regulation (EC) No 689/2008.	LD50: 38,500 mg/kg (oral / rat) LC50: N/A

Notes: See section 15 for details on R-phrases

4. FIRST AID MEASURES

General Information: Immediate medical attention is not required

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact: Remove contaminated clothing and launder before reuse. Wash contaminated skin with mild soap and water for 15 minutes. Get medical attention if irritation persists.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

Ingestion: Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs



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Notes to Physician: Treat symptomatically

Hazards: Contact with eyes, skin and through inhalation

Treatment: No specific antidote. Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE FIGHTING MEASURES

Flammable Properties: Fire or intense heat may cause violent rupture of packages

Suitable Extinguishing Media: CO2, Dry Chemical, Universal - Type foam.

Unsuitable Extinguishing Media: Not available

Hazardous Decomposition Materials (under fire conditions): CO2, CO

Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors

Autoignition Temperature: Not applicable.

Flammable Limits in Air (%): Not Available.

Special Exposure Hazards: Not Available.

Special Protective Equipment: In any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA Ratings for This Product Are:

HEALTH 0, FLAMMABILITY 1, INSTABILITY 0, PERSONAL PROTECTION: "B".

HMIS Ratings for This Product Are:

HEALTH 0, FLAMMABILITY 1, PHYSICAL HAZARD 0, PERSONAL PROTECTION: Safety Glasses and Gloves

6. ACCIDENTAL RELEASE MEASURES

Non-Flammable: Tested Using ISO 9038: 2002 Test for Sustained Combustibility of Liquids

Personal Precautionary Measures: Wear appropriate protective equipment. Avoid contact with spilled or leaked material.

Environmental Precautionary Measures (Large Spills): Evacuate hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if it is safe to do so. Prevent entry into sewers or streams, dike if needed. Larger amounts may be collected with a sorbent material and placed in an appropriate waste disposal container.

Procedure for Clean Up (Small spills): Mop up with plenty of water, dilute with running water. May be treated with an absorbent material and placed in a tightly sealed container for proper disposal.

7. HANDLING AND STORAGE

Handling: Advices on safe handling: Avoid contact with eyes and skin. Use with adequate ventilation. Avoid breathing vapor

Protective measures:

Technical Measures:

Measures to prevent aerosol and dust generation: not applicable

Measures required protecting the environment: Keep containers tightly closed when not in use.

Specific requirements or handling rules: Wear gloves and goggles while mixing or pouring

Precautions against fire and explosion: Avoid excessive heat, sparks, open flame or smoking near product. Rinse empty containers to prevent vapor build up.

Further information: wash empty containers and skin thoroughly after handling

Storage: Technical measures and storage conditions: Store in tightly closed container. Keep away from heat, sparks, open flame, direct sunlight and all incompatibles

Packaging materials: Store in original containers

Requirements for storage rooms and vessels: Cool, dry area recommended

Hints on storage assembly: No further recommendations

Storage class: Not available

Further information on storage conditions: Local ventilation sufficient if well ventilated

Specific uses (for end products): Deodorization

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values:

Occupational exposure limits:

Biological limit values:

Not available



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Exposure controls:	DNEL and PNEC-value(s) as applicable: Not available
	Occupational exposure controls: Not available
	Technical measures to prevent exposure: General ventilation.
Personal protection equipment:	Respiratory Protection: General Ventilation
	Hand protection: Rubber Gloves
	Eye protection: Safety goggles or glasses recommended in case of splashing.
	Skin protection: Rubber Gloves. Minimize skin contact. Wash with soap and water before eating, drinking, smoking or using the toilet.
	Other Personal Protection Data: Eye wash kit should be available.
Environmental exposure controls:	Water (incl. sewage plant): Not applicable
	Air: Not applicable
	Soil: Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear to cloudy, colored or colorless
Odor:	Aromatic odor
pH:	6.0-8.5 @ 25°C
Melting point/range (°C):	Not Available.
Boiling point/range (°C):	>100 °C
Flash point (°C):	>65°C
Flammability (solid, gas):	Not Applicable
Explosive properties:	Not Available.
Oxidizing properties:	Not Available.
Auto-ignition temperature (°C):	Not Available.
Vapor pressure (°C):	Not Available.
Relative density (g/cm³):	Not Applicable
Water solubility (20°C in g/l):	Complete
Partition coefficient n-Octanol/Water (log Po/w):	Not Available.
Viscosity, dynamic (mPa s):	Not Available.
Vapor density:	>1
Evaporation rate:	<1
Dust explosion hazard:	Not Applicable
Explosion limits:	Not Applicable
Substance groups relevant properties:	Not Available
Other information (where applicable like surface tension, miscibility, fat solubility, conductivity, gas group, etc):	Not Available
Specific Gravity:	0.99 – 1.01
% Volatile by Volume:	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: This product presents no significant reactivity hazard. Hazardous polymerization will not occur.

Conditions to Avoid: Keep away from heat, sparks and flame. Avoid hot work and sources of ignition on or near empty containers.

Materials to Avoid: Avoid strong oxidizing agents, acids and alkalis.

Hazardous Decomposition Products: CO₂, CO.

Additional Information: No additional remark.

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure

Ingestion: If ingested, may cause nausea, headache.

Skin Contact: Essentially non-irritating. Wash skin if splashed

Inhalation: Not available.

Eye Contact: Not available.



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Sensitization: Not available
Repeated Dose Toxicity (sub-acute to chronic): Not available
Acute Test of Product:
Acute Oral LD50: >20,000 mg/kg (calculated, oral/rat)
Acute Dermal LD50: Not Available
Acute Inhalation LC50: >12,000 ppm. 8/H (rat)
Carcinogenicity Comment: No additional information available.
Reproductive Toxicity/Teratogenicity/Embryotoxicity/Mutagenicity: Not Available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity Information: Not Available.

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity	Ecotoxicity - Freshwater Algae Data
Isopropyl Alcohol	LC50 (Pimephales promelas): 61,200mg/L	Not Available	EC50 (Scenedesmus subspicatus): 1000 mg/L
Polyoxyethylene sorbitan monooleate	Practically non-toxic in most sensitive species tested: LC50/EC50 >100mg/L. LC50, rainbow trout (Oncorhynchus mykiss), static, 96 h: 400 mg/l	Aquatic Invertebrate Acute Toxicity: LC50, water flea Daphnia magna, static, 48 h: 342 mg/l.	Not Available

Soil toxicity Information:

Not available

Air toxicity Information:

Not available

Mobility

Known or predicted distribution to environmental compartments:

Surface tension: Not available

Adsorption/Desorption

Soil-water: Not Available.

Water-air: Not Available.

Soil-air: Not Available.

Persistence and degradability

Abiotic Degradation (in sea-water, fresh-water, air, soil): Not Available.

Physical-and photo-chemical elimination (ozonolysis, oxidation, photo-oxidation, de-chlorination, photo-mineralization): Not Available.

Biodegradation: Not Available.

Bioaccumulative potential

Partition coefficient n-octanol /water (log KO/W): Not Available.

Bioconcentration factor (BCF): Not Available.

Longterm-Ecotoxicity: Not Available.

Results of PBT assessment: Not Available.

Other adverse effects (ozone depletion, photochemical ozone creation, endocrine disruption, global warming, etc):

Will not deplete the ozone layer. Other data Not Available.

Further ecological information (as applicable):

No additional remark.

13. DISPOSAL CONSIDERATIONS

Waste management measures (as applicable):

Can be incinerated, when in compliance with local regulations.
 Can be disposed as waste water, when in compliance with local regulations. Can be landfilled when in compliance with local regulations.

Appropriate disposal of packaging:

Empty containers should be rinsed a minimum of three times and recycled or disposed of through an approved waste management facility.

Additional information (including any national or regional provisions): Not Available.

14. TRANSPORT INFORMATION

Not Regulated

ICAO/IATA

Not regulated as a hazardous material or dangerous good for transportation.

IMO/IMDG

Not regulated as a hazardous material or dangerous good for transportation.

RID/ADR

Not regulated as a hazardous material or dangerous good for transportation.

Marine Pollutant:

Not a pollutant



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15. REGULATORY INFORMATION

Chemical Safety Assessment : Not Available

Labeling

Hazard symbols and hazard statements:

Hazard components for labeling:

R-Phrases: None required

S-Phrases: S2: Keep out of the reach of children.

S3/7/9: Keep container tightly closed in a cool, well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

Special provisions concerning the labeling of certain preparations: Not available

Authorization and/or restrictions on use: Not available

Other EU regulations: Not available

Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline):

Not available

National regulation Information: Not available

16. OTHER INFORMATION

Disclaimer:

NOTICE TO READER:

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Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a Certificate of Analysis. These can be obtained from Brodi

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Training instructions (as applicable): not available

Recommended restrictions on use (as applicable): Not available

Further information:

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

END OF SDS