

SECTION I: MATERIAL IDENTIFICATION AND USE

Date prepared: December 1, 2011

PRODUCT NAME: BRODI ODOUR CONTROL AIRBORNE MISTING ODOUR NEUTRALIZER
 PRODUCT NUMBER: 50-BIO-1150
 MANUFACTURER NAME AND ADDRESS: BRODI SPECIALTY PRODUCTS LTD.
 3175 14th Ave, UNIT 1
 MARKHAM, ONTARIO L3R 0H1
 (905) 475-6084
 INFORMATION PHONE: 1-(877) 744-0751 EMERGENCY PHONE: 1613-996-6666
 MSDS PREPARED BY: MSDS CO-ORDINATOR, (877) 744-0751 EXT 205, BRODI SPECIALTY PRODUCTS LTD

Flammability 2	Reactivity 0
Health 0	Personal Protection

CHEMICAL NAME: N/A	CHEMICAL FAMILY: MIXTURE	CHEMICAL FORMULA: PROPRIETARY
MOLECULAR WEIGHT: N/A	MATERIAL USE: DEODORIZER	

SECTION II: HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous ingredients	Approximate Concentration %	C.A.S.N.A or U.N Numbers	"Exposure limits"	LD50/LC50 Specify Species & Route
Alpha Olefin Sulfonate	10- 30%	68439- 57- 6	N/A	LD50: 2310 mg/kg (oral/rat) LD50: 6300 mg/kg (dermal/rabbit)

SECTION III: PHYSICAL DATA FOR MATERIAL

Physical State: Liquid
 Odour and Appearance: aromatic dark green-brown liquid
 Odor Threshold: N/A
 Specific Gravity: 1.05-1.10
 Vapour Pressure: N/A
 Vapour Density: > 1
 Evaporation Rate: < 1
 Boiling Point: > 100 c
 Coefficient: N/A
 Solubility In Water: Soluble
 % Volatile: N/A
 pH: 3.6.-5.0 @ 25C
 Freezing Point: N/A

SECTION IV: FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: No
 Means Of Extinction: CO2, Dry Chemical, Universal-type foam
 Special Procedures: Self contained breathing apparatus and fire retardant protective clothing should be worn when fighting larger fires involving chemicals
 Flashpoint: >93C (closed cup)
 Upper Explosion Limit: N/A
 Lower explosion Limit: N/A
 Auto Ignition Temperature: N/A
 Hazardous Combustion Products: oxides of carbon and sulfur, hydrogen sulfide.
 Explosion Data: N/A
 Rate of Burning: N/A
 Explosive Power: N/A
 Sensitivity to Static Discharge: N/A

SECTION V: REACTIVITY DATA

Chemical Stability: Yes
 Compatibility to other substances: Yes – Avoid strong oxidizing agents, acids, and alkalis. Do not use with hypochlorite bleach, as skin-sensitizing "sultones" may be formed.
 Reactivity and under what conditions: this product presents no significant reactivity hazard. Hazardous polymerization will not occur.
 Hazardous Decomposition Products: Oxides of Carbon. Oxides of Sulfur

SECTION VI: TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry: Skin Contact, Eye Contact, Inhalation Acute, Ingestion
 Effects of Acute Exposure to Product: Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea
 Eye Contact: Eye contact with liquid may irritate or burn eyes.
 Skin Contact: Unlikely to be absorbed by skin. May cause irritation or redness in some individuals.
 Effects of Chronic Exposure to Product: No ill effects are expected from repeated exposure to the solution
 LD50 of product: > 10,000 mg/kg (oral/rat)
 Irritancy of Product: Essentially non-irritating
 Exposure Limits of Product: N/A
 LC50 of Product: N/A
 Sensitization of Product: N/A
 Synergistic Materials: N/A
 Carcinogenicity, reproductive effects, teratogenicity, mutagenicity

SECTION VII: PREVENTATIVE MEASURES

Personal Protective Equipment:
 Gloves: Rubber gloves recommended Respiratory: Not required Eye: Safety glasses Footwear: Not required
 Clothing: Not required Other: Eye wash kit should be available
 Engineering controls: General ventilation
 Leak and spill Procedure: mop up with plenty of water, dilute with running water
 Waste Disposal: Follow Federal, State, Local regulations for disposal
 Handling Procedures and equipment: Avoid contact with eyes and skin
 Storage Requirements: store in a tightly closed container. Protect from freezing. Do not store above 49C. Store in accordance with good industrial practices.
 Special Shipping Information: Not required

SECTION VIII: FIRST AID MEASURES

Skin: Flush contact area with warm water. Remove contaminated clothing and launder before reuse
 Eyes: Flush with warm water for at least 15 minutes. If irritation persists, see a doctor.
 Inhalation: Remove to fresh air, if breathing is difficult get immediate medical attention
 Ingestion: Do NOT induce vomiting. Drink plenty of water to dilute. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
 General Advice: Follow good industrial safety practices.

