

Rev. Date: June - 2015

MATERIAL SAFETY DATA SHEET

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial/commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation or reasonably expected use.

1. Identification**Product Name:** ONA MIST**Product Item Numbers:**

# AD-470001 – 6 oz / 170 g	# AD-470002 – 6 oz / 170 g
# AD-470003 – 6 oz / 170 g	# AD-470011 – 6 oz / 170 g
# AD-470012 – 6 oz / 170 g	# AD-470013 – 6 oz / 170 g
# AD-470014 – 6 oz / 170 g	# AD-470015 – 6 oz / 170 g
# AD-470016 – 6 oz / 170 g	# AD-470017 – 6 oz / 170 g
# AD-470018 – 6 oz / 170 g	# AD-470019 – 6 oz / 170 g

Recommended Use: Odour Neutralizer
Product Manufacturer: Odorchem Manufacturing Corp.
Unit #1 – 9790 190th St.
Surrey, B.C. V4N 3M9
Telephone: 604 – 942 – 7880
Toll Free: 877 – 386 – 5000
Emergency No. 604 – 942 – 7880
Toll Free: 877 – 386 – 5000

2. Hazard(s) Identification**GHS Classification****Physical Hazards**

Flammable Aerosol: Category 1
Gasses Under Pressure

Human Health Hazards

Not Classified

Environmental Hazards

Not Classified

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Labeling**Symbol:****Signal Word:****DANGER****Hazard Statement:**

Extremely flammable aerosol.
 Pressurized container: may burst if heated.
 May cause minor eye, skin and respiratory irritation
 May cause allergy symptoms.
 May be harmful by inhalation, ingestion or skin absorption.
 EUH208 "Contains Natural Essential Oils. May produce an allergic reaction."

Precautionary Statements:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 Wash hands thoroughly after handling.
 IF IN EYES: Rinse eyes continuously for 15 minutes, consult a physician.
 Collect spillage.
 Dispose of contents according to local regulation.

3. Composition/Information on Ingredients
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Hazardous Ingredients	CAS Number	Weight %	TLV (ppm)
Isobutane	75-28-5	60 – 100	
Propane	74-98-6	5 – 10	
Ethyl Alcohol	64-17-5	3 - 7	
Terpenes mixture	65996-98-7	< 5.0	N/Av

All other components are not considered hazardous by the "Hazardous Products Act" and do not appear on the Ingredient Disclosure List of hazardous substances. This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

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4. First-aid Measures

Inhalation: Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing is shallow or has stopped, give oxygen or artificial respiration.

Skin Contact: Rinse skin with soap and water. Remove saturated clothing and footwear; wash before re-use. If irritation develops, get medical attention.

Eye Contact: Hold eyelids apart and flush eyes with running water continuously for 15 minutes. Get medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth with fresh water. Drink water.

Note to Physicians: Treat symptomatically. Note the nature of this product.

5. Firefighting Measures

Flammability Class: Extremely Flammable.

Suitable Extinguishing Media: Small Fire: Use Dry Chemical

Large Fire: Use water spray, or fog

Specific Fire and Explosion Hazards: Containers can build up pressure if exposed to heat (fire). May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. Thermal decomposition products are Carbon oxides (CO, CO₂).

Special Protective Equipment and Precaution for Fire Fighters: For fires in enclosed areas, wear self-contained breathing apparatus. Do not inhale combustion gases.

6. Accidental Release Measures

Personal Precautions: Slippery on floors. Avoid breathing excessive vapors. Ventilate enclosed spaces and remove solids from spill area. Remove saturated clothing and footwear; wash before re-use. Do not smoke or operate internal combustion engines. Avoid all sources of ignition, hot surfaces and open flames.

Environmental Precautions: Do not let product enter storm sewers or drains. Remove solids from spill area and dispose of appropriately.

Methods and Materials for Containment and Cleaning Up: Eliminate all ignition sources. Sweep, shovel up and keep in suitable, closed containers for disposal.

Disposal: This material may be suitable for approved landfill. Dispose only at an appropriate waste disposal facility in accordance with current applicable laws and regulations.

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7. Handling and Storage

Conditions for Safe Handling: Keep out of reach of children. Do not puncture, burn or incinerate. Do not place near sources of heat. Keep from freezing. Avoid contact with eyes. Avoid prolonged repeated skin contact and breathing mists/vapors. Wash skin and clothing if contaminated, keep container closed unless in use. Use only with adequate ventilation.

Conditions for Safe Storage: Do not store in temperatures above 120°F (50 °C). Store away from all ignition sources. Keep container tightly closed in a cool, dry and well-ventilated place.

8. Exposure Controls/Personal Protection

Information on the System Design/Engineering Controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. Localized ventilation is required to maintain the point of use below the Threshold Limit Value.

Exposure Limits:

Ingredients	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	REL
Isobutane	800 ppm	1000 ppm	800 ppm	N/A	800 ppm
Propane	2500 ppm	N/A	1000 ppm	N/A	1000 ppm
Ethyl Alcohol	Not established	1000 ppm, 15 minutes	1000 ppm	Not established	1000 ppm
Terpenes Mixture	N/A	N/A	N/A	N/A	N/A

Ventilation: For commercial and industrial applications, use in a well-ventilated area with local exhaust.

Respiratory Protection: Not required for short-term exposure in a well-ventilated area with local exhaust. Use approved respirators for emergencies.

Eye Protection: Not normally necessary, safety glasses with side shields are optional.

Skin Protection: If prolonged or repeated skin contact is likely, approved safety gloves should be worn. Good personal hygiene practices should always be followed.

Exposure Effects: A small number of individuals may experience reactions such as redness, rash and/or swelling upon prolonged or repeated skin contact or eye contact.

9. Physical and Chemical Properties

Physical State:

Aerosol

Colour:

Clear - yellow mist.

Odour:

Characteristic Fragrance

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Odour Threshold:	Not determined.
pH-Value:	6.0 - 8.0
Melting Point:	Not available
Freezing Point:	Not available
Initial Boiling Point:	80 °C (176 °F)
Flash Point:	13 °C (55.4 °F)
Evaporation Rate:	< 1 (n-Butyl Acetate = 1).
Flammability (solid, gas):	Extremely Flammable
Explosion Limits:	Not applicable
Internal Can Pressure:	40 - 60 psig
Vapour Density:	> 1 (air = 1)
Relative Density/Specific Gravity:	0.810 - 0.850
Solubility:	Soluble
Partition Coefficient:	Not available
Auto-Ignition Temperature:	460 °C (860 °F), propellant
Lower Flammable Limit (% Vol)	1.8
Upper Flammable Limit (% Vol)	19
Decomposition Temperature:	Not available

10. Stability and Reactivity

Chemical Stability: Stable under the recommended storage and handling conditions. No decomposition if used according to specifications.

Possibility of Hazardous Reactions: None are known.

Conditions of Reactivity/Conditions to Avoid: Heat, sparks, flame and build up of static electricity.

Incompatible Materials/Materials to Avoid: No known incompatibilities.

Hazardous Decomposition Products: May form CO and CO₂, as well as various hydrocarbons and smoke if the product experiences excessive heating.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Ingredients	LC50	LD50
Isobutane	658 mg/L (4hrs, rat)	N/A
Propane	>800,000 ppm (15min, 1nh.rat)	N/A
Ethyl Alcohol	20,000 ppm (10 hrs)	12.6 g/kg (rat - oral)
Terpenes Mixture	N/A	N/A

Skin Corrosion/Irritation: No Classification

Serious Eye Damage/Eye Irritation: No Classification

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Respiratory Sensitization/Skin Sensitization:	No Classification
Germ Cell Mutagenicity:	No Classification
Carcinogenicity:	No Classification
Reproductive Toxicity:	No Classification
Specific Target Organ Toxicity	
Single Exposure:	No Classification
Repeated Exposure:	No Classification
Aspiration Hazard:	No Classification

12. Ecological Information

Ecotoxicological Information: Ethyl Alcohol: Toxicity to fish: LC50 14200 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 9300 mg/L, 48 hrs; Toxicity to algae: not available.

Persistence and degradability: Ethyl Alcohol: readily biodegradable in water. The total of the organic components contained in the product is not classified as "readily biodegradable" (OECD-301 A-F). However, this product is expected to be inherently biodegradable.

Bio-Accumulative Potential: There is no evidence to suggest bioaccumulation will occur.

Mobility: Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

Aquatic Toxicity: No Classification

13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local regulations.

14. Transportation Information

TDG (Canada – Road)	AEROSOLS, Class 2.1, UN1950
DOT (US – Road)	AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D
IMDG (International – Marine)	AEROSOLS, Class 2.1, UN1950
IATA (International – Air)	AEROSOLS, Class 2.1, UN1950, LTD. QTY.

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15. Regulatory Information**Inventory Status:**

Canadian:

WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials. CPR (Canadian Controlled Products Regulations): All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the CPR and this SDS contains all information required by CPR. IDL (Canadian Ingredient Disclosure List): Component(s) of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List (section 03).

U.S.A.:

Environmental Protection Act: Constituents of this product are included on the TSCA inventory.

OSHA (29CFR 1910.1200) Classification: not rated

HMIS: 1 Health, 1 Fire, 0 Reactivity

German:

Australian:

16. Other Information

HMIS	Health: 2	Fire: 4	Reactivity: 0	PPE: B
NFPA	Health: 2	Fire: 4	Reactivity: 0	Special:

Abbreviations:

ACGIH American Conference of Governmental Industrial Hygienists

CAS Chemical Abstract Service

NIOSH National Institute for Occupational Safety and Health

OSHA Occupational Safety and Health Administration, USA

TSCA Toxic Substances Control Act 1976, USA

PEL Permissible Exposure Limit

TLV Threshold Limit Value

WHIMIS Workplace Hazardous Materials Information System

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Disclaimer:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. **This MSDS is valid for three years.**

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