Safety Data Sheet

IZ-408

Section 1: Product and Company Identification

Manufacturer	Ideas Additives LLC 625 S Main St. Lombard, IL 60148		
Telephone	(630) 620-2010	**Fax**	(630) 620-2014
Product Name	IZ-408		
Recommended Use	Deodorant		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(630) 620-2010		

Section 2: Hazard Identification

Hazard Classification	Flammable liquid, Category 4
Signal Word	Warning
Precautionary Statements	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear Safety glasses/ goggles, chemically resistant gloves, protective clothing. In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, foam to extinguish. Store in a well-ventilated place. Dispose of contents and container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
Camphor	76-22-2	1 - 5
Coumarin	91-64-5	1 - 5

Section 4: First Aid Measures

General advice: Consult a physician if concerned. Show this safety data sheet to the doctor in attendance.
In case of eye contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if pain occurs and persists.
In case of skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.
If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
If swallowed: Drink plenty of water. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

Section 5: Firefighting Measures

Suitable Extinguishing Media: Carbon dioxide. Dry powder. Foam.
Specific Hazards Arising from the Chemical: Combustion produces carbon monoxide, carbon dioxide, and smoke.
Specific Protective Equipment and Precautions for Fire-Fighters: Wear self-contained breathing apparatus and full protective clothing. Follow good fire-fighting practices. Avoid breathing vapors and mists. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Do not enter enclosed area without a positive pressure, NIOSH-approved self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions: Affected area may be slippery. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless you wear 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.
Environmental Precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Advise EPA, state, or local agencies as required.

Methods for Cleaning Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material if possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with soapy water and then rinse to remove fall hazard. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination and prevent fall hazard.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Wear gloves and safety glasses. Follow all guidelines for chemicals. Do not breathe mist/vapors. Do not get in eyes, wash contact areas on skin, or on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. See Section 8 for personal protection equipment.
Conditions for safe storage, including any incompatibilities: Best stored in a dry place at 50 – 90 °F. Firmly reseal lid on container after use. Store only in original or compatible, clearly labeled container. Keep away from heat or flame, oxidizing agents. See Section 10.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	ACGIH TLV	OSHA PEL
Camphor, synthetic	3 ppm	2 mg/m^3

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain good air quality. Eye wash facilities and emergency shower must be available when handling this product.
Eye/face protection: Wear safety glasses or chemical safety goggles to protect eyes; use face shield when working with large amounts or when splashing is possible.
Skin protection: Wear protective clothing or gloves to minimize or avoid direct contact. Clean or wash contaminated clothing before reusing.
Respiratory protection: Wear suitable respiratory protection to avoid inhalation of fumes or mist in the absence of good ventilation or air flow.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Clear Yellow Liquid	**Flash Point (PMCC)**	82.22 °C
Specific Gravity (Water=1)	0.99	**Upper Flammability Limits**	Not Determined
Evaporation Rate (ether = 1)	Not Determined	**Lower Flammability Limits**	Not Determined
pH	Not Determined	**Auto-ignition Temperature**	Not Determined
Solubility in Water	Insoluble	**Decomposition Temperature**	Not Determined
Odor	Pine	**Vapor Pressure (kPa @ 20 °C)**	Not Determined
Odor Threshold	Not Determined	**Vapor Density (Air-=1)**	Not Determined
Melting/Freezing Point	Not Determined	**Partition Coefficient (n-octanol/water)**	Not Determined
Boiling Range	Not Determined	**Viscosity (SUS @ 100 °F)**	Not Determined
Initial Boiling Point	Not Determined	**Critical Temperature**	Not Determined
Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.			

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal storage, use and transport conditions
Chemical Stability: Stable under normal storage and use conditions
Possibility of Hazardous Reactions: None known under normal conditions
Conditions to Avoid: Keep away from high heat, hot surfaces, sparks, open flames and other ignition sources. Avoid contact with incompatible materials.
Incompatible Materials: Strong oxidizers
Hazardous Decomposition Products: CO and CO_2, smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Effects:. Likely routes of exposure are skin and eye contact.
Chronic Toxicity Effects: Long term or repeated exposure may aggravate any acute symptoms.
Respiratory or skin sensitization: None expected
Germ cell mutagenicity: No components identified as mutagenic
Carcinogenicity: National Toxicology Program (NTP) Status -Evidence of Carcinogenicity
Reproductive toxicity: Not classified

SECTION 12: ECOLOGICAL INFORMATION

General Guidelines: This product has not been tested. In the event of release to the environment inform federal, state/provincial or local authorities as required
Toxicity: Based on its components it is not believed to be harmful to aquatic life. Large or repeated releases to the environment may be harmful.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations. Do not allow to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Packaging may contain product residues. Clean thoroughly before discarding or reusing.

SECTION 14: TRANSPORT INFORMATION

DOT, TDG, IMDG, IATA: Not Regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventories: All ingredients are listed or exempt from listing on the TSCA, active (U.S.) inventory and DSL (Canada).
SARA 311/312 Reporting Categories: None
SARA 313 Reportable Ingredients: Not listed
California Prop 65: None

SECTION 16: OTHER INFORMATION

Department Issuing SDS: Health and Safety

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