Safety Data Sheet

IZ-258

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 Names	IZ-258		
Recommended Use	Additive		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(630) 620-2010		

Section 2: Hazard Identification

Hazard Classifications

Aspiration hazard	Category 1, May be fatal if swallowed and enters airways
Flammable liquids	Category 4, Combustible liquid



Signal word Danger

Precautionary statement(s)

Prevention	Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Wear protective gloves/eye and face protection.
Response	IF SWALLOWED: Immediately call a POISON CENTER, doctor or medical advisor. Do NOT induce vomiting. In case of fire: Use items and procedure in Section 5 to extinguish.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents and container according to local, state/provincial, and federal regulations.

Hazards not otherwise classified

Repeated exposure may cause skin dryness or cracking.
May ignite on surfaces at temperatures above auto-ignition temperature.
Vapor in the headspace of tanks and containers may ignite and explode at temperatures exceeding auto-ignition temperature, where vapor concentrations are within the flammability range.
This material is a static accumulator. Even with proper grounding and bonding, this material can still accumulate an electrostatic charge. If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapor mixtures can occur. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire.

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
Distillates (Fischer-Tropsch), C_{8-26} branched and linear	848301-67-7	80 – 100

Section 4: First Aid Measures

General Advice

Not a health hazard when used under normal conditions.

Eye Contact

Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. If irritation occurs and persists, get medical attention.

Skin Contact

Wash affected area thoroughly with mild soap and water then rinse with water. Get medical advice or attention if irritation or rash occurs and persists. Remove any contaminated clothing and wash before reuse.

Ingestion
Never give anything by mouth to an unconscious person. Call emergency number for your location or facility. If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Transport to the nearest medical facility if any of the following delayed signs and symptoms appear within the next 6 hours,: fever greater than 101° F, shortness of breath, chest congestion or continued coughing or wheezing.
Inhalation
Remove to fresh air and seek medical attention if adverse effects are observed and persist.
Most Important Symptoms / Effects
Not considered to be an inhalation hazard under normal conditions of use. No specific hazards under normal use conditions. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. Transport to the nearest medical facility if any of the following delayed signs and symptoms appear within the next 6 hours: fever greater than 101° F, shortness of breath, chest congestion or continued coughing or wheezing.
Indication of Immediate Medical Attention and Special Treatment, If Necessary
Potential for chemical pneumonitis, persistent difficulty breathing, eye or skin pain or irritation

SECTION 5: FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media
Product will burn. Use water spray or fog, dry chemical, foam. High pressure water stream may spread fire. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. No known unsuitable materials.
Specific Hazards Arising from the Chemical
May produce CO, CO_2, decomposition products, flammable gases, and acrid vapors in a fire. Closed containers may rupture or explode when exposed to extreme heat.
Specific Protective Equipment and Precautions for Fire-Fighters
Avoid breathing vapor or 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. Closed containers may explode from high heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions
The affected area may be slippery. Isolate release area and keep unnecessary or untrained people away. Avoid or minimize skin or eye contact with spilled material. See Section 8 for personal protection gear.
Environmental Precautions
Shut off leaks or contain spill if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapor or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.
Methods for Cleaning Up
Do not discharge to the environment. Wash affected area with detergent or soapy water to remove slip hazard.
For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.
For small liquid spills (< 1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

SECTION 7: HANDLING AND STORAGE

Handling and Storage
Wear protective clothing to prevent or minimize contact. Avoid inhaling vapor or mists. See specific recommendations in Section 8. Avoid prolonged or repeated contact with skin. Extinguish any open flames. Do not smoke. Remove ignition sources. Avoid sparks. Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Bulk storage tanks should be diked. When using do not eat or drink.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	ACGIH	OSHA
Product and components	Not Applicable	Not Applicable

Engineering Controls

Use appropriate ventilation to maintain good air quality; avoid breathing aerosols or mists; use appropriate respirator if good air quality is not maintained.

Eye and Face Protection

Wear safety glasses or chemical safety goggles; use face shield when working with large amounts or if splashing is possible.

Skin Protection

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. US: F739) made from the following materials may provide suitable chemical protection: prolonged or frequent repeated contact occurs - nitrile rubber; incidental contact/splash protection - neoprene rubber or PVC; continuous contact - use gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for the combination of organic gases and vapors and particles [Type A/Type P boiling point >65°C (149°F)].

General Hygiene

Follow accepted work practices for handling chemicals. Do not eat, drink, or smoke in areas where this product is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Colorless liquid	**Flash Point**	>=185 °F/85 °C
Specific Gravity (Water=1)	0.78 (60 °F)	**Upper Flammability Limits**	Not Determined
Evaporation Rate (ether = 1)	Not Determined	**Lower Flammability Limits**	Not Determined
pH	Not Applicable	**Auto-ignition Temperature**	Not Determined
Solubility in Water	Negligible	**Decomposition Temperature**	Not Determined
Odor	Paraffinic	**Vapor Pressure (mm Hg @ 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	390 – 610 °F	**Viscosity (cSt @ 40 °C)**	7 (approx.)
Initial Boiling Point	390 °F	**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	None known
Chemical Stability	Stable under normal storage and use conditions
Possibility of Hazardous Reactions	Will not occur under normal conditions use and storage conditions
Conditions to Avoid	Heat, sparks, open flames or ignition sources
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	CO and CO_2 during fire

Section 11: Toxicological Information

Acute Toxicity Effects
Likely routes of exposure are skin and eye contact. Product is non-irritating and non-sensitizing. Poor hygiene, prolonged or repeated contact may lead to cracked skin or dermatitis. High vapor may cause central nervous system depression resulting in headaches, dizziness, and nausea; continued inhalation may result in unconsciousness or death. Oral toxicity (rat) – LD_{50} > 5,000 mg/kg. Inhalation toxicity (rat) – LC_{50} > 5 mg/l. Dermal toxicity (rabbit) – LD_{50} > 5,000 mg/kg. No data available on mutagenicity.
Chronic Toxicity Effects
Long term or repeated exposure may aggravate any acute symptoms.
Carcinogenicity
NTP, OSHA and IARC have not identified any carcinogenic ingredients in this product.

Section 12: Ecological Information

Not classified as hazardous to the aquatic environment. Readily biodegradable; potential for bioaccumulation is expected to be low. Do not allow runoff to surface waters, wastewater, or soil. Acute and chronic aquatic toxicity greater than water solubility limit.

Section 13: Disposal Considerations

Not hazardous waste under RCR 40 CFR 261. Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations. Do not dispose to sewer. Avoid release to the environment.

Section 14: Transport Information

DOT (land) , IMDG(marine), IATA (air)	Not Regulated

Section 15: Regulatory Information

Chemical Inventories	All ingredients are listed or exempt from listing on the TSCA, active (U.S.) and DSL (Canada) inventories. Other national inventories on request.
SARA 311/312 Reporting Categories	Fire, acute
SARA 313 Reportable Ingredients	None
CERCLA	No calculable reportable quantity (RQ) for this product
(Comprehensive Environment Response, Compensation and Liability Act)	
California Prop 65	Not listed

Section 16: Other Information

Department Issuing SDS	Health and Safety

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