Safety Data Sheet

PAO-40

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	PAO-40		
Recommended Use			
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(630) 620-2010		

Section 2: Hazard Identification

Hazards

Eye damage/irritation — Category 2B, Causes eye irritation

Signal Word — Warning

Precautionary Statements

Prevention: Wash skin and contact areas thoroughly after handling. Wear protective eye protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
1-Decene, homopolymer, hydrogenated	68037-01-4	100

Section 4: First Aid Measures

General advice: Consult a physician if concerned. Show this safety data sheet to the doctor in attendance.

If inhaled: If victim is breathing move to fresh air. If not breathing, give artificial respiration. Consult a physician if adverse health effects occur and persist.

In case of skin contact: No adverse effects expected. Wash with soap and water.

In case of eye contact: Some brief irritation possible. Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. Get medical attention, preferably an ophthalmologist, if irritation occurs and persists.

If swallowed: Never give anything by mouth to an unconscious person. Give water if victim is conscious. Do not induce vomiting without medical direction. Keep head below hips if vomiting occurs to prevent aspiration. Seek medical attention.

Most important symptoms/effects, acute and delayed: Eye or skin irritation

Indication of immediate medical attention and special treatment needed, if necessary: Ongoing eye or skin irritation.

Section 5: Firefighting Measures

Suitable and Unsuitable Extinguishing Media: Product will burn at high temperatures. Use water spray or fog, dry chemical, foam as appropriate for surrounding fire. High pressure water stream may spread fire. 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: 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. Closed containers may explode from high heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Affected area may be slippery. Isolate release area and keep unnecessary or untrained people away. See Section 8 for personal protection gear.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers, or waterways. Advise EPA, state, or local agencies as required.

Methods for Cleaning Up: Stop leak if you can without risk. Do not discharge to the environment. Transfer to labeled, sealable containers for product recovery or safe disposal. Small spills can be handled using absorbent material and transferred to containers for disposal. Larger spills should be diked and absorbed with binding agents such as sand or vermiculite to prevent runoff to the environment or sewer. If material is too viscous for pumping scrape it up with shovels into suitable containers for recycle or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Wear protective clothing to prevent or minimize contact. Use good ventilation and follow all procedures and precautions for handling chemicals.

Conditions for safe storage, including any incompatibilities: Best stored in a dry place at 50 – 90 °F. Reseal lid on container after use. Store only in original or compatible, clearly labeled container.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	ACGIH	OSHA
General guideline for mists or aerosols	5 mg/m3	5 mg/m3

Appropriate engineering controls: No special requirements or hazards are expected. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to maintain good air quality and keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eye/face protection: Wear safety glasses or chemical safety goggles; use face shield when working with large amounts or when splashing is possible.

Skin protection: Wear protective clothing or gloves to avoid contact. Clean or wash contaminated clothing before reusing.

Respiratory protection: Maintain good ventilation or air flow. Wear suitable respiratory protection to avoid inhalation of aerosol particles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Clear, colorless liquid	**Flash Point (PMCC)**	>260 °C/500 °F
Specific Gravity (Water=1)	0.9 – 1.1	**Upper Flammability Limits**	Not Determined
Evaporation Rate (ether = 1)	<1	**Lower Flammability Limits**	Not Determined
pH	Not Applicable	**Auto-ignition Temperature**	Not Determined
Solubility in Water	Insoluble	**Decomposition Temperature**	Not Determined
Odor	Bland	**Vapor Pressure (mm Hg @ 20 °C)**	<0.1
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 (cSt @ 40 °C/100 °C)**	400/39
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 and use conditions

Chemical Stability: Stable under normal storage and use conditions

Possibility of Hazardous Reactions: Will not react under normal conditions.

Conditions to Avoid: Extreme heat, high energy ignition source

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: None under normal temperature and conditions; CO and CO_2, flammable gases, or vapors in a fire.

Section 11: Toxicological Information

Acute Toxicity Effects: Likely routes of exposure are skin and eye contact. Eye contact may be briefly irritating. Contact with skin is unlikely to cause problems. Inhalation may be irritating but is minimally toxic. Swallowing material is minimally toxic.

Chronic Toxicity Effects: Long term or repeated exposure may aggravate any acute symptoms.

Respiratory or skin sensitization: None expected

Germ cell mutagenicity: Components identified as mutagenic: None

Carcinogenicity: No components identified by NTP, OSHA or IARC as carcinogenic

Reproductive toxicity: None expected

Section 12: Ecological Information

Toxicity: This product is not expected to be hazardous to the aquatic environment.

Persistence and degradability: Slow biodegradability

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Endocrine disrupting properties: No data available.

Section 13: Disposal Considerations

Product may be burned for fuel value. Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations. Packaging may contain product residues. Clean thoroughly before discarding or reusing.

Section 14: Transport Information

DOT	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

Section 15: Regulatory Information

Chemical Inventories	All ingredients are listed or exempt from listing on the following inventories TSCA, active (U.S.), and DSL (Canada)
SARA 311/312 Reporting Categories	None
SARA 313 Reportable Ingredients	None
California Prop 65	None

Section 16: Other Information

NFPA Rating	Health=0; Flammability=1; Reactivity=0
Department Issuing SDS	Health and Safety

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