Safety Data Sheet

L-57

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(s)	L-57		
Recommended Use	Lubricant additive		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(800) 424-9300		

Section 2: Hazard Identification (In accordance with OSHA (29 CFR 1910.1200, 2024)

Classification of the substance or mixture



Carcinogenicity	Category 2, Suspected of causing cancer
Reproductive toxicity	Category 2, Suspected of damaging fertility or the unborn child
Signal word	Warning
Precautionary statements	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and protective clothing, eye and face protection. See Section 11 for additional information.
Response	IF exposed or concerned: Get medical advice/attention.
Storage	Store locked up.
Disposal	Dispose of contents and container according to local, state/provincial, and federal regulations.

Hazards Not Otherwise Classified

None known

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
N-phenyl benzenamine reacted with 2,4,4-trimethylpentene	68411-46-1	>90
Diphenylamine	122-39-4	<1

Section 4: First Aid Measures

General Notes.

Some product effects may not immediately appear. If concerned, obtain medical advice and show this SDS.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact

Take off all contaminated clothing and rinse skin with water or shower. Call a poison center or doctor if you are concerned or irritation develops or persists. Wash contaminated clothing before reuse.

Ingestion

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.

Inhalation

Seek medical advice if concerned. Remove person to fresh air.

Most Important Symptoms / Effects

No known immediate symptoms

Indication of Immediate Medical Attention and Special Treatment, If Necessary

No known indications. See Section 11 for health details.

Section 5: Firefighting Measures

Suitable and Unsuitable Extinguishing Media
Product will burn at high temperatures. Use water spray, fog, dry chemical, or foam. High pressure water stream may spread fire. No known unsuitable materials.
Specific Hazards Arising from the Chemical
May produce smoke, 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 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. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.
Environmental Precautions
Contain spill if it can be done with minimal risk. Prevent 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. For larger spills: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7: Handling and Storage

Handling and Storage
Practice good chemical hygiene. Avoid exposure during pregnancy. Wear appropriate eye protection and protective clothing to prevent or minimize contact. Do not breathe mist or vapors. Use good ventilation and follow all procedures and precautions for handling chemicals. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Store only in original or compatible, clearly labeled container. Keep container tightly closed and sealed until ready for use. Best stored in a dry place at 50 – 90 °F. Reseal lid on container after use.

Section 8: Exposure Control and Personal Protection

Exposure Limits

Component Name	ACGIH TWA	OSHA PEL
N-phenyl benzenamine reacted with 2,4,4-trimethylpentene	3 mg/m^3 respirable mist	5 mg/m^3 respirable mist
Diphenylamine	10 mg/m^3 Inhalable portion	None

Engineering Controls
Use appropriate ventilation to avoid exceeding exposure levels and maintain good air quality; avoid breathing aerosols or mists; use appropriate respirator if necessary.
Eye and Face Protection
Wear safety glasses or chemical safety goggles; use face shield when working with large amounts or when misting is possible.
Skin Protection
Wear oil and chemically resistant protective gloves to avoid repeated or prolonged contact.
Respiratory Protection
Maintain good ventilation or air flow. Wear suitable respiratory protection to avoid inhalation of aerosol particles.
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	Amber or brown liquid	**Flash Point (open cup)**	355 °F; 180 °C
Specific Gravity (Water=1)	0.96	**Upper Flammability Limits**	Not Determined
Evaporation Rate (ether = 1)	Not Determined	**Lower Flammability Limits**	Not Determined
pH	Not Determined	**Auto-ignition Temperature**	961 °F; 516 °C
Solubility in Water	Insoluble	**Decomposition Temperature**	Not Determined
Odor	Musty	**Vapor Pressure**	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 (mPa.s @ 40 °C)**	200 – 450
Initial Boiling Point	>390 °F	**Critical Temperature**	Not Determined
Particle Characteristics	Not Applicable	**Additional Information**	None
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. May react with strong acids, oxidants.
Conditions to Avoid Heat, sparks, open flame
Incompatible Materials Strong acids, strong oxidizing agents
Hazardous Decomposition Products Flammable gases, or vapors in a fire or at high temperature.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Effects
The most likely route of exposure is skin contact. May cause mild irritation. Eye contact may cause irritation. Respiratory tract irritation can occur with symptoms such as, but not limited to, dizziness and flu-like symptoms.
Chronic Toxicity Effects
Long term or repeated exposure may aggravate any acute symptoms.
Carcinogenicity
Diphenylamine has been identified as a category 2 carcinogen. Target organs are blood, kidneys, liver and spleen. Risk of cancer depends on duration and level of exposure.
Reproductive Toxicity
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene is suspected of damaging fertility based on a reproductive/developmental toxicity screening test (OECD 421) as a range finder followed by an extended one-generation reproductive toxicity study (OECD 443).

SECTION 12: ECOLOGICAL INFORMATION

Product components have been tested. Based on its main components it is classified as hazardous to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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 TSCA, active (U.S.) and DSL (Canada) inventories.
SARA 311/312 Reporting Categories	Chronic
SARA 313 Reportable Ingredients	Diphenylamine (CAS 122-39-4, <1%)
Clean Water Act	Report contamination of surface waters immediately to the National Response Center.
CERCLA (Comprehensive Environment Response, Compensation and Liability Act)	Not listed
California Prop 65	Not listed

SECTION 16: OTHER INFORMATION

NFPA Rating	Health=3; Flammability=1; Instability=0
HMIS Rating	Health=*3; Flammability=1; Physical hazards=0

Department Issuing SDS Health and Safety

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