Safety Data Sheet according to Globally Harmonized System (GHS)

SECTION 1: IDENTIFICATION

1.1 Product Identifier	Trade Name – Dine-Aglow® Liquid Wax
1.2 Common Names or Synonyms	Normal paraffin
1.3 Recommended use of the chemical & restrictions on use	Industrial use, Lighting
1.4 Supplier's name, address & telephone	Dine-Aglow® Diablo Food Service Fuels Le-Jo Enterprises, Inc. 765 Pike Springs Road Phoenixville, PA 19460 484-921-9000 www.lejo.com
1.5 Supplier's emergency phone number	CHEMTREC 800-424-9300 – NORTH AMERICA CHEMTREC 703-527-3887 - WORLDWIDE

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Hazard classification of the substance/mixture

Aspiration hazard

2.2 Signal word and ghs label elements

Word	**Symbol**
Danger	

2.3 Hazard statements

H304:May be fatal if swallowed and enters airways

2.4 Other hazards/statements

Precautionary statements & responses:

- P301 + P310: IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
- P331: Do NOT induce vomiting
- P405: Store locked up
- P501: Dispose of contents/containers to an approved waste disposal plant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Information of chemical ingredients; trade secret claims

C14-16 Normal paraffins

3.2 CAS number, EC number, etc.

CAS-Number	**Weight %**
90622-46-1	100

SECTION 4: FIRST AID MEASURES

4.1 Important symptoms/effects, acute & delayed

4.2 Required Treatments

Eye contact	Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Consult a physician.

SECTION 5: FIREFIGHTING MEASURES

5.1 Suitable (& unsuitable) extinguishing methods	Water spray, foam, dry chemical, carbon dioxide (CO_2)
5.2 Specific hazards arising from the chemical	NFPA Class IIIB combustible liquid
5.3 Special protective equipment & precautions for firefighters	• In the event of fire, wear self-contained breathing apparatus • Keep containers and surroundings cool with water spray

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal & environmental precautions, protective equipment & emergency procedures	
6.2 Methods & materials for containment & cleanup	Evacuate the area and eliminate all sources of ignition. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7: HANDLING & STORAGE

7.1 Safe handling & storage precautions, including incompatibilities	**Safe handling advice**	Ensure all equipment is electrically grounded before beginning transfer operations.
	Storage/Transport pressure	Ambient
	Load/Unload temperature	Ambient, above freezing point. (Product will freeze at 4°C)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters based on OSHA'a permissible exposure limits (PEL's) & OSHA's threshold limit values (TLV's)	Contains no substances with occupational exposure limit values., Sasol Chemicals (USA) LLC recommends an internal limit of 5 mg/m3 (8-hour TWA) for exposure to mists of this product.	
8.2 Appropriate engineering controls	Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).	
8.3 Personal protection measures & protective equipment recommendations	**Eyes**	Wear as appropriate: Goggles, Face-shield
	Skin	Wear suitable protective clothing, gloves and eye/face protection.
	Inhalation	Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical & chemical properties

Appearance	liquid;
Color	water-white, oily
Form	liquid
Odor	Hydrocarbons
Odor Threshold	no data available
Flash point	118 °C, 244 °F; PM;
Flammability	Upper explosion limit: 4.7 %(V) Lower explosion limit: 0.5 %(V)
Boiling point/boiling range	248 - 284 °C, 478 - 544 °F; ASTM D-86;
Melting point/range	4 °C, 39 °F; (Freeze pt.)
Auto-ignition temperature	204 °C, 400 °F;
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapor pressure	< 0.1 mm Hg @ 20 °C, 68 °F; API Calculation;
Vapor density	7.1
Density	no data available
Specific gravity	0.768 @16 °C, 61 °F;
Water solubility	negligible
Viscosity	2.3 - 2.5 cSt @ 40 °C, 104 °F;
pH	no data available
Evaporation rate	no data available
Partition coefficient: n-octanol/water	no data available

SECTION 10: STABILITY & REACTIVITY

10.1 Lists chemical stability & possibility of hazardous reactions	• No decomposition if stored & applied as directed • Stable under recommended storage conditions • Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
10.2 Conditions to avoid	Keep away from heat & sources of ignition
10.3 Incompatible materials	Oxidizing agents
10.4 Hazardous decomposition products	None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Routes of exposure; related symptoms, acute & chronic effects, numeral measures of toxicity

Acute dermal toxicity	LD50 rabbit: > 2,000 mg/kg
Acute inhalation toxicity	LC50 rat (4 hours): > 5.8 mg/l
Acute oral toxicity	LD50 rat: > 2,000 mg/kg
Skin corrosion/irritation	(rabbit) Repeated exposure may cause skin dryness or cracking.
Eye damage/irritation	Primary irritation (rabbit): 1 hours; 5.7 (Max. score is 110.) (unwashed eyes), Not irritating
Respiratory or skin sensitization	no data available

	Genotoxicity in vitro: no data available
Germ cell mutagenicity	**Genotoxicity in vivo**: no data available
	Assessment Mutagenicity: no data available
	Reproductive toxicity: no data available
Reproductive toxicity	**Assessment Reproductive toxicity:** no data available
	Teratogenicity: no data available
	Assessment teratogenicity: no data available
STOT - single exposure	no data available
STOT - repeated exposure	no data available
Aspiration toxicity	May be fatal if swallowed and enters airways.
Carcinogenicity	**Assessment carcinogenicity:** Contains no ingredient listed as a carcinogen

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecological Information

Aquatic toxicity	Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
Toxicity to fish	LL50 (Pimephales promelas (fathead minnow)) 96 hours In the range of water solubility not toxic under test conditions
Toxicity to aquatic invertebrates	EL50 (Ceriodaphnia Dubia (water flea)) 192 hours In the range of water solubility not toxic under test conditions.
Toxicity to algae	no data available
Chronic toxicity to fish	no data available
Chronic toxicity to aquatic invertebrates	no data available
Biodegradation	Readily biodegradable. OECD Test Guideline 301F (28 d): 82 % Test substance: LINPAR 1417
Bioaccumulation	no data available
Mobility in soil	no data available
Other adverse effects	no data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Considerations

Waste Code	Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations,

	mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.
Disposal methods	Dispose of only in accordance with local, state, and federal regulations
Empty containers.	Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport Information

DOT Not regulated

IATA Not regulated

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks no data available

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

OSHA Hazards (HCS 1994)

Non-hazardous substance

TSCA Inventory Listing

Components	CAS-No.
Alkanes, C14-16	90622-46-1

SARA 302 Status

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 311/312 Classification

"Immediate (acute) health hazard"

SARA 313 Chemical

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

US. EPA CERCLA Hazardous Substances (40 CFR 302

none

15.2 International Regulations

WHMIS Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria

European Union

- Classification according to Regulation (EU) 1272/2008
- Aspiration hazard, Category 1

	Repeated exposure may cause skin dryness or cracking
Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan. Industrial Safety & Health Law (ISHL) Inventory	Listed
Canada. Domestic Substances List (DSL) Inventory	Listed - This product or a component is the subject of a Significant New Activity (SNAc) notice under CEPA
Canadian Non-Domestic Substance Listing (NDSL)	Not Listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Not listed
New Zealand. Inventory of Chemicals (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed
Taiwan. National Exisiting Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3

15.3 State Regulations

	Components	**CAS-No.**
California Prop. 65	none	

SECTION 16: OTHER INFORMATION

16.1 Hazard Ratings	**Health**	**Flammability**	**Physical Hazard/ Instability**
HMIS®	1	1	0
NFPA	1	1	0