



CM ALMY

KerryLiquid® Church Candle Fuel

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade name KerryLiquid
Use Church Candle Fuel
Manufacturer/Supplier CM ALMY
Address 3 American Lane, Greenwich, CT 06836
Emergency Telephone CHEMTREC North America Transportation Emergency (24-hr) (800) 424-9300
CHEMTREC World Wide (703) 527-3887
MSDS and Product Information (9 AM – 6 PM ET) (800) 225-2569
E-mail address almyaccess@almy.com

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

Appearance water-clear oily liquid
Odour Hydrocarbons
Precautions **CAUTION!** MAY CAUSE EYE OR SKIN IRRITATION. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Environmental precautions Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish. Normal paraffins are removed by volatilization, sorption to sediments/soils and biodegradation.

Potential Health Effects

Eyes Irritating to eyes.
Skin May cause skin irritation and/or dermatitis. High standards of skin care and personal hygiene should be exercised at all times.
Inhalation May cause headache and dizziness.
Ingestion Aspiration hazard if swallowed - can enter lungs and cause damage.

(See Section 11 for Toxicological Information)



SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight %</u>
Alkanes, C14-16	90622-46-1	100

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

SECTION 4 FIRST AID MEASURES

- 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 FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash point 118 °C PM 244 °F

Autoignition temperature 204 °C 400 °F

Flammable limits in air % by volume **Lower explosion limit:** 0.5 %(V)
Upper explosion limit: 4.7 %(V)

Fire and explosion NFPA Class IIIB combustible liquid.

Extinguishing media Water spray or fog, foam, dry chemical, CO₂.

Fire fighting instructions In the event of fire, wear self-contained breathing apparatus.

Further information Keep containers and surroundings cool with water spray.



SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak 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 AND STORAGE

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

ENGINEERING MEASURES

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

PERSONAL PROTECTIVE EQUIPMENT

Eyes Chemical resistant goggles must be worn. 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.

EXPOSURE GUIDELINES

Components Exposure limit(s)
Contains no substances with occupational exposure limit values. SASOL North America recommends an internal limit of 5 mg/m³ (8-hour TWA) for exposure to mists of this product.

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	oily liquid
Colour	water clear
Odour	Hydrocarbons
Form	liquid
Boiling point/boiling range	248 - 284 °C 478 - 544 °F
Vapour pressure	< 0.1 mm Hg @ 20 °C API Calculation
Vapour density	7.1
Solubility (water)	negligible
Viscosity	2.3 - 2.5 cSt @ 40 °C
Melting point/range	4 °C 39 °F (Freeze pt.)
Specific gravity	0.768 @ 16 °C

SECTION 10 STABILITY AND REACTIVITY

Conditions to avoid	Keep away from heat and sources of ignition.
Hazardous decomposition products	Hazardous gases and vapors produced in fire are oxides of carbon.
Store away from other materials.	Oxidizing agents
Hazardous polymerization	Stable

SECTION 11 TOXICOLOGICAL INFORMATION

Eyes	Primary irritation (rabbit): 1 hours 5.7 (Maximum score is 110.) (unwashed eyes) Primary irritation (rabbit): 1 hours 6 (Maximum score is 110.) (washed eyes)
Skin	Primary irritation (rabbit): 4.4 (Maximum score is 8.0.) Acute dermal LD50 (rabbit): > 2,000 mg/kg



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Inhalation Acute 4 hours LC50 (rat): > 5.8 mg/l

Ingestion Acute oral LD50 (rat): > 5,000 mg/kg

CARCINOGENICITY

Contains no ingredient listed as a carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish.

(Pimephales promelas (fathead minnow)) :
Considered relatively non-toxic as demonstrated by a no significant effect at any concentration of the water soluble fraction of C13-C16 normal paraffins to fathead minnows and water-fleas.

Biodegradation Normal paraffins are removed by volatilization, sorption to sediments/soils and biodegradation.

SECTION 13 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

DOT not regulated

IATA not regulated

IMDG not regulated



SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA Hazards

Non-hazardous substance

TSCA Inventory Listing

Components

CAS-No.

Alkanes, C14-16

90622-46-1

SARA 302 Status

Components

CAS-No.

Weight %

Contains no chemicals subject to SARA 302 reporting.

SARA 311/312 Classification

Non-hazardous substance

SARA 313 Chemical

Components

CAS-No.

Weight %

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.

CERCLA Hazardous Substance

Components

Reportable Quantity

Weight %

none

INTERNATIONAL REGULATIONS

Workplace Hazardous Materials Information System (WHMIS) Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria. This product contains one or several components listed in the Canadian NDSL list.

European Union

Classification and labelling according to Directive 67/548/EEC.

Xn: Harmful

R65 Harmful: may cause lung damage if swallowed.

Australian Inventory of Chemical Substances (AICS) Listing

Listed



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Japanese Minister of International Trade and Industry (MITI) Inventory Listing
Listed

Canadian Domestic Substance List (DSL) Inventory Listing
Not listed

European Inventory of Existing Commercial Chemical Substances (EINECS) Listing
Listed

Philippines Inventory List (PICCS)
Listed

Korean Inventory List
Listed

China Inventory List
Listed

STATE REGULATIONS

California Prop. 65
Components

CAS-No.

none

SECTION 16 OTHER INFORMATION

HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
HMIS	1	1	0
NFPA	1	1	0

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