

neo-Image™

CANDLELIGHT LTD.

REVISION #4
SDS PREPARED December 12, 2018

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product name: Liquid Glow™ Cartridges
Product code: 00408, 00412
Recommended use: Disposable illuminating oil burners

Company: Neo-Image Candlelight Limited
 1331 Blundell Road
 Mississauga, Ontario, Canada L4Y 1M6
 Phone: (905) 273-3020

Emergency telephone: CANUTEC PHONE (613) 996-6666 (24 hours)
 POISON CONTROL CENTER
 Consult local telephone directory for emergency number

SECTION 2: HAZARDS IDENTIFICATION

Classification of mixture: Aspiration hazard category 1

Labeling:



Signal Word: DANGER

Hazard statements: H304 May be fatal if swallowed and enters airways

Precautionary statements: P301 + P310 If swallowed: Immediately call a POISON CENTER
 P331 DO NOT induce vomiting
 P405 Store locked up
 P501 Dispose of contents to an approved waste disposal plant

Hazard classification:

| | HEALTH | FLAMMABILITY | REACTIVITY |
|------|--------|--------------|------------|
| HMIS | 1 | 1 | 0 |
| NFPA | 1 | 1 | 0 |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components: A mixture of hydrocarbon fluids
Common name: Oil cartridge

| INGREDIENT | CAS# | %WT |
|--|------------|-------|
| Normal Alkanes, C ₁₄ -C ₁₆ | 90622-46-1 | 10-50 |
| White Mineral Oil | 8042-47-5 | 50-90 |

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

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|----------------------------|---|
| After eye contact: | Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical assistance |
| After skin contact: | Remove any contaminated clothing and wash skin with soap and water. If skin irritation persists seek medical assistance |
| After inhalation: | Remove individual to fresh air. If breathing is irregular or stopped call for medical help immediately |
| After ingestion: | Do not induce vomiting. Consult a medical professional. |

SECTION 5: FIRE-FIGHTING MEASURES

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| Fire/explosion: | NFBA Class 111B combustible liquid. |
| Suitable extinguishing media: | Use water fog, foam, dry chemical or CO ₂ extinguisher. |
| Protective equipment and precautions for firefighters: | In the event of fire, wear self-contained breathing apparatus. |
| Advice for firefighters: | Keep containers and surroundings cool with water spray. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures: | Eliminate any sources of ignition |
| Environmental precautions: | Avoid dispersal of released material to waterways, drains and sewers. |
| Methods and materials for containment and cleaning up: | 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

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| Precautions for safe handling: | None required. |
| Conditions for safe storage, including any incompatibilities: | Store in a cool dry place, above 0°C, away from sources of ignition. Store containers in an upright position. Do not ingest contents. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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|---------------------------------|---|
| OHSA status: | Non-hazardous substance |
| ACGIH TLV-TWA: | 5 mg/m ³ (8-hour) mist |
| ACGIH TLV STEL: | Not established |
| ACGIH TLV CEILING: | Not established |
| Ventilation: | No special requirements necessary during normal use of product. |
| Respiratory protection: | Respiratory protection is not necessary during normal use of product. |
| Eye protection: | Eye protection is not necessary during normal use of product. If there is an elevated risk of eye contact, use chemical resistant goggles. |
| Skin protection: | Skin protection is not necessary during normal use of product. If there is an elevated risk of exposure use suitable protective clothing and chemical resistant gloves. |
| Work hygienic practices: | Wash hands with soap and water after handling product and before eating, smoking and using the lavatory. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

| | |
|--|----------------------------|
| Form: | Liquid |
| Colour: | Colourless to light yellow |
| Odour: | Mild hydrocarbon odour |
| Odour threshold: | Not determined |
| pH-value: | No data available |
| Melting point / Freezing point: | Not determined |
| Boiling point: | Not determined |
| Flash point: | >118°C, 244°F |
| Evaporation rate (BuAc=1): | Not applicable |
| Upper flammability limits in air (% by volume): | Not determined |
| Lower flammability limits in air (% by volume): | Not determined |
| Vapour pressure: | Not established |
| Vapour density (AIR = 1): | Not established |
| Specific gravity (H₂O = 1): | Not established |
| Solubility in water: | Negligible |
| Partition coefficient (n-octanol/water): | Not determined |
| Autoignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | Not determined |

SECTION 10: STABILITY AND REACTIVITY

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| Chemical stability: | No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions: | Reactive with oxidizing agents, avoid sources of ignition. |
| Conditions to avoid: | No other conditions known. |
| Incompatible materials: | Oxidizing agents. |
| Hazardous decomposition products: | Carbon monoxide, carbon dioxide, and possibly other products depending on conditions of oxidation. |

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE

Inhalation: Unlikely route of significant exposure
Ingestion: May be fatal if swallowed and enters airways
Skin: May cause irritation and/or sensitisation by skin contact
Eyes: May cause irritation and/or sensitisation by eye contact

| Chemical Name | LD ₅₀ Oral | LD ₅₀ Inhalation | LD ₅₀ Dermal |
|--|-----------------------|-----------------------------|-------------------------|
| Normal Alkanes, C ₁₄ -C ₁₆ | > 2,000 mg/kg (rat) | > 5.8 mg/l (4 hours-rat) | > 2,000 mg/kg (rabbit) |
| White Mineral Oil | >5,000 mg/kg (rat) | >5.2 mg/l (4 hours-rat) | >2,000 mg/kg (rabbit) |

Carcinogenicity/Mutagenicity: Ingredients in mixture are not considered carcinogenic or mutagenic to humans.

Reproductive effects of mixture: No data available.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity: Not toxic to aquatic organism (fish, daphnia, algae) up to water solubility
Toxicity to fish: LL₅₀ (Pimephales promelas (fathead minnow)) 96 hours.
 In the range of solubility not toxic under test conditions.
Toxicity to aquatic invertebrates: EL₅₀ (Ceriodaphnia dubia (water flea)) 192 hours.
 In the range of solubility not toxic under test conditions.
Toxicity to algae: No information available.
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Mobility in soil: No information available.
Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal waste residue and contaminated packaging: Disposal of this product should comply with all local, provincial/state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN number: Not available
UN proper shipping name: Not available
Transport hazard class(es): None
Marine pollutant: No
Special precautions: None

SECTION 15: REGULATORY INFORMATION

| Components | CAS-No. | Weight Percent |
|--|------------|----------------|
| Alkenes C ₁₄ -C ₁₆ | 90622-46-1 | 10-50% |
| White Mineral Oil | 8042-47-5 | 50-90% |

TSCA: Components of mixture listed
SARA 302 Status: No reporting requirement as per SARA Title III, Section 302
SARA 311/312 Classification: Aspiration Hazard
SARA 313 Chemical: Product 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

U.S. EPA CERCLA Hazardous Substances (40 CFR 302): None
WHMIS Classification: Aspiration hazard, Category 1
European Union (EU) 1272/20118: DSL Aspiration hazard, Category 1
Mixture is the subject of a "Significant New Activity" notice under CEPA
EINECS Components of mixture listed
ENCS Components of mixture listed
IECSC Components of mixture listed
KECI Components of mixture listed
PICCS Components of mixture listed
AICS Components of mixture listed
California Proposition 65 Carcinogens: none
Adverse reproductive effects: none

SECTION 16: OTHER INFORMATION

Although Neo-Image Candlelight Ltd makes every reasonable effort to ensure the accurate presentation of material safety data gathered from sources we believe to be reliable, it is understood that Neo-Image Candlelight Ltd makes no warranty as to the accuracy or completeness of such information and assumes no liability for any damages or loss suffered as a result of any inaccuracy or incompleteness therein. Further it is the user's obligation to utilize this product in full compliance with all health, safety and environmental regulations.