

neo-Image™

CANDLELIGHT LTD.

REVISION #2
SDS PREPARED August 9, 2018

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product name: Thermoglow™ Wick Chafing Fuel
Product code: 00622, 00624, 00626
Recommended use: Chafing Fuel. Cooking heat source

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: Acute oral toxicity, category 4
 Specific target organ toxicity - (repeated exposure), category 2

Labeling:



Hazard statements:
WARNING H302 Harmful if swallowed
 H373 May cause damage to organs (kidney, CNS) through prolonged or repeated exposure

Precautionary statements:
 P270 Do not eat, drink or smoke when using this product
 P301 + P312 IF SWALLOWED: Call a POISON CONTROL Center or doctor/physician if you feel unwell
 P501 Dispose of contents/container as instructed in Section 13

Hazard classification:

	HEALTH	FLAMMABILITY	REACTIVITY
HMIS	2	1	0
NFPA	1	1	0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical: 2,2' -Oxydiethanol
Common name: Diethylene Glycol, DEG

INGREDIENT	CAS#	%WT
2,2' -Oxydiethanol	111-46-6	99

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

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

Suitable extinguishing media:	Use water spray, alcohol resistant foam, dry chemical or CO ₂
Unsuitable extinguishing media:	No information available.
Special hazards arising from the substance or mixture:	Thermal decomposition can lead to release of irritating gases and vapours. Containers may explode when heated. Keep product and empty containers away from heat and sources of ignition. Carbon monoxide and carbon dioxide will be formed during combustion
Advice for firefighters:	In the event of a fire wear a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.
Environmental precautions:	Avoid dispersal of released material to waterways, drains and sewers.
Methods and materials for containment and cleaning up:	Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Shut off ignition sources: including electrical equipment and flames. Do not allow smoking in the area

SECTION 7: HANDLING AND STORAGE

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.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	ACGIH		OSHA PEL	
	(TLV)	(STEL)	(TWA)	(STEL)
2,2' -Oxydiethanol	10 mg/m ³	N/A	Not Listed	N/A

Control parameters:**Engineering Measures:**

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower

Respiratory protection:

No respiratory protection required under normal conditions of use.

Respiratory Types:

Use a NIOSH/MSHA or European Standard EN 149 approved air purifying respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye protection:

Wear chemical splash goggles when handling product. Have eye wash station available

Skin protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical breakthrough and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work.

Gloves:

Neoprene, Nitrile, Polyvinyl chloride.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Form:	Liquid
Colour:	Colourless
Odour:	Odourless
pH-value:	Not determined
Melting point:	-10°C
Freezing point:	Not established
Boiling point:	245°C
Flash point:	124°C
Evaporation rate (BuAc=1):	<0.001
Upper flammability limits in air (% by volume):	Not established
Lower flammability limits in air (% by volume):	Not established
Vapour pressure:	0.01 mm Hg @ 30oC
Vapour density (AIR = 1):	3.66
Specific gravity (H2O = 1):	1.11 @ 20oC
Solubility in water:	Soluble
Partition coefficient (n-octanol/water):	Not determined
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined

SECTION 10: STABILITY AND REACTIVITY**Chemical stability:**

Product is stable

Possibility of hazardous reactions:

Not established

Conditions to avoid:

Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition .

Incompatible materials:

Acids, strong oxidizing agents.

Hazardous decomposition products:

Carbon monoxide, carbon dioxide, smoke and irritating vapours when heated to decomposition

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE

Routes of Entry: Eyes, skin, inhalation and ingestion

Chemical Name	LD ₅₀ Oral	LD ₅₀ Inhalation	LD ₅₀ Dermal
2,2' -Oxydiethanol	12,565 mg/kg (Rat)	Not Listed	11,890 mg/kg (Rabbit)

Carcinogenicity

2,2' -Oxydiethanol: IARC - Not Listed
NTP - Not Listed
OSHA - Not Listed

Chronic Effects

Mutagenicity: No information available.
Teratogenicity: No information available.
Sensitization: No information available.
Reproductive: No information available.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity:**

Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Mobility in soil: log Pow = -1.98
Other adverse effects: None known.

Chemical Name	CAS#	Eco-Toxicity	
2,2' -Oxydiethanol	111-46-6	Freshwater Algae	Not Listed
		Freshwater Fish	96 HR flow-through LC50 (PIMPEPHALES PROMELAS) = 75,200 mg/L
		Microtox	EC50 = 29,228 mg/L 15 min
		Water Flea	EC50 = 84,000 mg/L 48 HR (Daphnia magna)

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

DOT Not Regulated.
TGD Not Regulated.
IATA Not Regulated.
IMDG/IMO Not Regulated.

SECTION 15: REGULATORY INFORMATION**Diethylene Glycol** CAS# 111-46-6

CANADIAN FEDERAL REGULATIONS

**WHMIS
CEPA, DSL** Not regulated.
Listed

U.S. FEDERAL REGULATIONS

OSHA Hazardous Chemicals: None of the components in this product are considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200)

RCRA (40 CFR 261, Subpart D): None of the OSHA regulated components in this product are listed as hazardous waste under 40 CFR 261 (Subpart D)

Clean Water Act: None of the OSHA regulated components in this product are Section 311 listed chemicals

SARA: Sections 301-304 (TPQ) 40 CFR 355: No TPQ for any OSHA regulated component.

SARA: 311/312 Hazard Categories:

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

SARA 313 REPORTABLE INGREDIENTS 40 CFR 372: The following chemicals must be reported under SARA 313:
Not applicable to any OSHA regulated component

CERCLA: Section 102 (RQ) 40 CFR 302: Not applicable to any OSHA regulated component

TSCA INVENTORY STATUS: Not applicable

SECTION 16: OTHER INFORMATION

Although Neo-Image Candlelight Ltd makes every reasonable effort to ensure the accurate presentation of SDS data provided by sources we believe 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.