MATERIAL SAFETY DATA SHEET EMERGENCY: CANUTEC (613) 996-6666

MSDS: ECO-GLOW/ ECO-FEU

PRODUCT IDENTIFICATION AND USE

NAME OF PRODUCT: ECO-GLOW / ECO-FEU

USE OF PRODUCT: Decorative Alcohol Burning Fireplaces, Patio Torches, etc.

TRANSPORTATION OF DANGEROUS GOODS

SHIPPING NAME: Alcohols N.O.S WHMIS: B2.

P.N.I.: UN 1987 PRIMARY CLASS: 3
PACKING GROUP: III SUBSIDIARY CLASS:

COMPONENTS

COMPOSITION	% V/V	CASE #	LD ₅₀ mg/kg Oral/rat	LC ₅₀ ppm 4h	TLV ppm 8h
Ethanol	70-95	64-17-5	7060	31623	1900 mg/m ³

PHYSICAL CARACTERISTICS

PHYSICAL STATE : Liquid	APPEARANCE: Green	ODOR: Typical mild alcohol	ODORTRESHOLD: Not available
VAPOR TENSION: 44,6 mmHg at 16°C	VAPOR DENSITY (Air = 1): 1,6	EVAPORATING 4.1	RATE:
BOILING RANGE : 75-80°C	FREEZING POINT : - 89 to - 118°C	pH : approx 7,5	
DENSITY (20°C) : 0.805-0.831	DISTRIBUTION FACTOR WATER/OIL : Not available	SOLUBILITY IN 100%	WATER (25°C):

REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal storage conditions

INCOMPATIBILITY WITH OTHER PRODUCTS: Concentrated nitric or sulphuric acid, acetyl chloride,

oxidizing agents.

REACTIVITY CONDITIONS: Can react vigorously with oxidizing agents

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EXPLOSION AND FIRE RISKS

FLAMMABILITY: Vapors formed from this product are heavier than air and may travel along the ground to a distance of ignition and flash back

EXTINGUISHING METHODS: Water fog, alcohol, foam, CO₂, dry chemical. Use water spray to cool fire exposed containers and structure, and to disperse vapours.

FLASH POINT: 21.8 – 25°C AUTO-IGNITION TEMPS.: 425°C

FLAMMABILITY (% per volume)

SUPERIOR LIMIT: 15 LOWER LIMIT: 3.5

HAZARDOUS COMBUSTION PRODUCT : Carbon monoxide and/or carbon dioxide when burning. **EXPLOSIBILITY DATA :** Keep the products away from heat, flame, spark and ignition sources.

TOXICOLOGICAL PROPERTIES

ABSORPTION WAYS			CONTACT		
SKIN	INHALATION	INGESTION	WITH SKIN	EYES	

EFFECTS OF EXPOSURE TO PRODUCT: Product can irritate mucus glands. High doses can provoke headaches, drowsiness, nausea, dizziness and fainting. Inhalation may aggravate cases of emphysema and bronchitis. Repeated contact with skin provokes irritations, dryness of the skin and cracking of the skin.

PREVENTIVE MEASURES

PROTECTIVE EQUIPMENT: Gloves, security glasses and protective apron.

GLOVES: Rubber, nitrile or PVC

RESPIRATORY SYSTEM: If necessary. **OCULAR INSTRUMENT:** Security glasses.

CLOTHING: Protective apron.

TECHNICAL CONTROL: Ventilation

PROCEDURE IN CASE OF LEAKS/SPILLS: Contain with an inert absorbent. Put the waste in a closed container until future disposal. Do not throw in the sewers or garbage.

HANDLING: Handle and open the containers with precaution. Do not weld or cut the containers because they can contain residues from flammable vapors. Do not heat or pressurize containers. Do not put any non-combustible material in empty containers, violent chemical reactions can occur. Do not smoke, eat or drink on working areas. Respect a good personal hygiene after manipulation of the product. Keep containers electrically grounded specially during manipulation or while transferring. The material can accumulate static.

WASTE DISPOSAL: Contaminated product, soil, water is potentially combustible. Solids may be landfilled at permitted sites in compliance with federal, provincial, local solid waste regulations. Burn concentrated liquid waste. Avoid flameouts and assure emissions comply with regulations. Dilute aqueous wastes may be biodegradable. Avoid overloading and poisoning plant biomass. Effluent must comply with applicable regulations.

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STORAGE: In a cool, dry and well ventilated area. Keep away from incompatible material and from sources of ignition (naked flames, sparks, electricity). Keep the containers grounded especially during pumping and transfer operations.

FIRST AID

SKIN: Remove contaminated clothing and wash with large amount of water. Contact a physician. EYES: Flush eyes with water for at least 15 minutes while holding eyelids open.. Contact a physician

immediately.

INHALATION: Remove patient to fresh air. If breathing has stopped, give artificial respiration, then oxygen if

needed. Contact a physician.

INGESTION: Do not induce vomiting. If spontaneous vomiting occurs, avoid the victim from inhaling its vomit.

Keep victim at rest and warm. Call for medical assistance immediately and/or bring the victim to

the hospital or the nearest poison center.

NOTE TO PHYSICIAN: No specific antidote. Supporting care, treatment based on judgement of the physician on response to reactions of the patient.

INFORMATION ON THE M.S.D.S. PREPARATION

PREPARED BY: TELEPHONE: 1866 435 1772 REVISED Dec, 2011

Eco-Feu NOTE:

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