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## Material Safety Data Sheet

### 1. Product Identification

Product Name : **Eco Gluco Kit (GOD/POD Method)**  
Catalog Number : **GLU 013**

### 2. Composition / Information on Hazardous Ingredients

Chemical Name	CAS #	% W/V	Exposure Limits in Air				
			ACGIH		OSHA		OTHER
			TLV	STEL	PEL	STEL	

**Reagent 1:** No hazardous components > 1%, 0.1 % carcinogens


**Reagent 2:** Buffer Reagent

Phenol	108-95-2	8%	5 ppm	10 ppm	5 ppm	N/A	N/A

**Reagent 3:** N/A


**Reagent 4:** N/A


**Reagent 5:** N/A


### 3. Hazard Identification

**Primary Routes of Entry:**

Inhalation, Ingestion, Skin and / or eye contact.

**Inhalation:**

Inhalation may cause headache, coughing, difficulty in breathing, chest pain, severe lung irritation, or pulmonary edema.

**Ingestion:**

Ingestion may cause nausea, vomiting, gastrointestinal irritation, and burns to mouth and throat.

**Skin Contact:**

The substance is readily absorbed by skin. Contact with the skin can cause irritation and burns.

**Eye Contact:**

Contact with the eyes causes severe irritation and burns and may cause blindness.

**Chronic Exposure:**

Chronic exposure may lead to damage of kidney and liver

**Medical Conditions Aggravated by Exposure:**

Persons with pre – existing kidney disorders, skin disorders and eye problem or impaired respiratory function may be more susceptible to the effects of the substance.

**Health Effects:**

Adverse health effects are not expected from the recommended use of this product.

**4. First Aid Measures****Inhalation:**

If breathing becomes difficult, remove victim to fresh air. Seek medical attention immediately.

**Ingestion:**

If swallowed do not induce vomiting; if conscious, give water, milk or milk of magnesia.

**Skin Contact:**

Avoid skin contact. If skin contact occurs, remove contaminated clothing and wash exposed skin with water for atleast 15 minutes. Get medical attention immediately.

**Eye Contact:**

Immediately flush eye(s) with large volume of water for atleast 15 minutes, occasionally lifting the lower lids. Get medical attention immediately.

**5. Fire Fighting Measures**

**Flash Point (closed cup):** 79C(175F)      **Flammable Limits – LEL:** 1.5 %      **UEL:** 8.6 %

**Extinguishing Media:**

Use water spray, Alcohol foam, dry chemical or carbon dioxide.

**Special Fire Procedures:**

Firefighters should wear proper protective equipment and self contained breathing apparatus with full facepiece operated in positive pressure mode.

**Unusual Fire and Explosion Hazards:**

Gives off heavy smoke, flammable vapors which may form explosive mixture with air. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire.

**6. Accidental Release Measures****Steps to be taken in case material is Released or Spilled:**

PPE should be level D: lab gloves, chemical resistant apron, boots and splash goggles. Use an absorbent material to contain / pick up the spilled solution. Place all spill residue into a suitable container, seal, label and hold for disposal.

**7. Handling and Storage**

Refer to packet insert for additional information on handling and storage procedures.

**8. Exposure Controls and Personal Protection****Ventilation Data:**

A system of local and / or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

**Respiratory Protection:**

Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow OSHA respirator regulations (29CFR1910.134) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide worker protection for given working conditions, level of airborne concentration, and presence of sufficient oxygen.

**Protective Gloves:**

Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.

**Other Protective Equipment:**

Wear appropriate eye protection to prevent eye contact. Wear appropriate body protection to prevent skin contact.

**Other Engineering Controls:**

Eye wash stations and deluge showers.

**Work Practices:**

Good laboratory technique should be used when handling this product. Observe appropriate chemical hygiene. Avoid contact with eyes or skin. Do not place in mouth.

**Hygienic Practices:**

Do not eat, drink, or smoke while working with product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

**9. Physical And Chemical Properties****For All Components Unless Otherwise Indicated**

Relative Vapour density(air = 1)	: N/A	Evaporation rate( nBuAc = 1):	N/A
Specific Gravity (water = 1)	: N/A	Freezing / Melting Point	: N/A
Solubility in Water	: Soluble	Boiling Point	: N/A
Vapour Pressure, mm Hg @ 20oC:	N/A	pH	: N/A

**Odour and Appearance Information**

**Reagent 1:** N/A

**Reagent 2:** Clear, Colourless liquid with phenolic odour

**Reagent 3:** N/A

**Reagent 4:** N/A.

**Reagent 5:** N/A.

**10. Stability and Reactivity****Incompatibility (Materials to Avoid):**

Strong oxidizing agents, strong bases, alkalis, calcium hypochlorite.

**Hazardous Decomposition Products:**

Thermal decomposition may produce carbon monoxide and carbon dioxide.

**Will Hazardous Polymerization Occur?**

Hazardous polymerization will not occur.

**Conditions to Avoid / Polymerization:** N/A

**Is the Product Stable?**

Yes, under normal handling and storage conditions.

**Conditions to Avoid/stability**

Heat, Flame, Other sources of ignition, Light, Air.

**11. Toxicological Information****Toxicity Data:**

N/A

**Reproductive effects:**

N/A.

**Target organ Effects:**

Eyes, Skin, Digestive.

**Carcinogenicity:** No

CHEMICAL NAME	CAS #	% W/V	NTP Carcinogen		IARC	OSHA
			Known	Anticipated		
N/A.						

**12. Ecological Information**

Environmental Fate / Stability:

N/A

Effect of Material on plants or animals:

N/A

Effect of Chemical on Aquatic Life:

N/A

**13. Disposal Considerations****EPA Waste Number and Proper Waste Disposal Method:**

Please consult local, state and federal regulations for additional guidance on disposal.

**14. Transportation Information****Is this Material Hazardous?** Not regulated under transportation regulations.

Proper Shipping Name : N/A	Packing Group: N/A	UN Number: N/A
Hazard Class Number : N/A		

**15. Regulatory Information**

NA.

**16. Other Information**

NA =&gt; NOT APPLICABLE or NO INFORMATION