

MATERIAL SAFETY DATA SHEET Identity: HiOmegaTM FlaxOil Epoxy

GREEN GRAFFITI COAT(A) & PROPRIETARY PHOTOINITIATOR(B)

Section 1

Company Name: Address:

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	Se	ection II: Hazardous Ingredients/Identify Information	
<u>Part-A</u>			
Hazardous C	ompon	ents	
Specific Cher	nical Id	lentity: (Common Name) OSHA PEL ACGIHT TLV	
Other Limits			
None			
<u>Part-B</u>			
Chemical Family:		Alicyclic Anhydride	
Chemical Use:		Chemical intermediate	
HMIS Hazard	Rating		
Health:	2*	4=Extreme	
Fire:	1	3=High	
Reactivity:	1	2=Moderate	
		1=Slight	
		0=Least	
Inhalation:		May cause nose, throat, and lung irritation. May cause respirator tract	
		sensitization. May aggravate pre-existing respiratory disorders. Chronic	
		exposure may cause bronchitis and asthma.	
Skin Contact:		May cause severe irritation. Contact with moist skin may cause burns. May	
		cause skin sensitization. May aggravate pre-existing skin disorders.	
Eye Contact:		May cause severe irritation or burns.	
Ingestion:		May cause burns of the mouth, throat, and gastrointestinal tract.	

Section III: Physical/Chemical Characteristics

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<u>Part-A</u>			
Boiling Point:	N/A	Specific Gravity	(H2O=1); 0.910-0.945
Vapor Pressure (mm HG):	<0.05 mm @300° C	C Melting Point:	Liquid above 0° C
Vapor Density (g/cm ³):	> 1.04	Freezing Point:	-8 to -13 Celsius
Evaporation Rate: N/A			
Solubility in Water:	0.3 % (20°C)	(Butyl Acetate=1)	
Appearance:	Component "A" - li	ight yellow to colourless	liquid
	Component "B" – v	white liquid;	-
	Component "C" (if	applicable) – white pow	der
Part-B	I I I I I I I I I I I I I I I I I I I	TT () TT	
Components	Percentage TLV	(ppm)	
Proprietary anhydride	>97 Not E	Established	
Boiling Point:	535°F (279°C)		
Melting Point:	Not Established		
Molecular Weight:	166.19		
Volatility/Vol (%):	Not Established		
Vapor Pressure (mm Hg):	0.01 at 77°F (25°C)		
Vapor Density (Air =1):	>1		
Solubility in H2O:	reacts slowly with wa	ater	
Appearance/Odor:	White to tan solid/ Fa	aint characteristic odor.	
Odor Threshold:	Not Established		
Viscosity (cps):	Not Established		
Specific Gravity (H2O = 1):	1.143+/- 0.015 @ 16	7°F (75°C)	
Evap. Rate (Butyl Acetate=1)	: <1		
Flash Point:	300°F (149°C) PMC	C, ASTM D93	

Section IV: Fire and Explosion Hazard Data

<u>Part-A</u>		
Flash Point		Pensky-Martens Closed Cup ca. 340 ° C
Flammable Limits:		LEL UEL Not established
Extinguishing Media:		Dry Chemical or CO2 preferred
Special Fire Fighting Procedures:		Stop spill, start fire fighting efforts
		immediately. Limit spread. Treat
		as an oil (edible fat) fire.
Unusual Fire and Explosion Hazards:		Ignition temperature approximately
-		>340. In the event of fire and/or explosion do not
		breathe fumes
Part-B		
Extinguishing Media:	Use water, foar	n, dry chemical, or carbon dioxide (CO2)
Special Firefighting	Firefighters sho	ould wear NIOSH approved self-contained breathing
Procedures/Precautions:	apparatus. Res	ponders should wear protective clothing to prevent skin
	contact. Move	containers from fire area. If unable to move, cool sealed
	containers with	water.
Unusual Fire and	This material re	eacts with water or steam to form methyltetrahydrophthalic
Explosion Information:	acid. This reac	tion is slightly exothermic. It should not present any
	problems if larg	ge quantities of water are used.
Environmental Note:	Contain runoff.	

	Section V: Reactivity Data
Part-A	
Stability: (X) Stable () Ur	astable
Incompatibility (materials	to avoid): Amines, strong bases or strong acids.
Hazardous Decomposition	or By Products: N/A
Conditions to Avoid: Do no	ot overheat. If product begins to smoke, reduce heat.
Hazardous Polymerization	: () May Occur (X) Will not occur
<u>Part-B</u>	
Chemical Stability:	Stable
Conditions to Avoid:	Incompatible materials
Incompatible Materials:	Alcohols, acids, bases, and oxidizers. Heat and / or water will
	affect product quality.
Decompositions Products:	Oxides of carbon. Occurs above 428°F (220°C).
Hazardous Polymerization:	Will not occur.

Section VI: Health Hazard Data

Part-A

Route(s) of Entry: Inhalation? XX Skin? XX Ingestion? No emergency care expected Carcinogenicity: None NTP: NO

IARC Monographs: NO

OSHA Regulated: NO

Health Hazards Signs (acute and chronic): Component "C" is a fine powder, inhalation should be avoided. Component "A" is derived from flax. Component "B" Anhydride, see applicable MSDS.

Symptoms of Exposure: None known

Medical Conditions Generally Aggravated by Exposure: Person with respiratory problems should avoid inhalation of any dust material. Person with allergy to flax should avoid any contact. **Emergency and First Aid Procedures**: Skin: wash exposed skin with acetone or water or both. Eyes: Flush eyes thoroughly with water for several minutes. Remove contact lenses, if worn.

Part-B

Inhalation:	Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing,
	administer artificial respiration. Get medical attention.
Skin Contact:	Immediately remove contaminated clothing and shoes. Wipe excess material from
	skin and flush with water for at least 15 minutes. Use soap if available or follow
by	washing with soap and water. Do not reuse contaminated clothing without
	laundering. Get medical attention.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Get medical attention immediately.

Section VII: Precautions for Safe	e Handling and Use
Part-A	
Steps to be taken in case material is released	Use oil absorbent and dispose of
or spilled:	properly (either sand or vermiculite
	floor absorbent).
Waste Disposal Method:	Do not put into sewer lines. Dispose
	of in accordance with local regulations.
Precautions to be taken in handling and storing:	Keep away from fire or open flames.
	Store in dry area, preferable at less than 85 °F
	and low relative humidity to maintain quality.
Other Precautions:	Consult federal and/or local
	authorities for approved disposal
	procedures.

Part-B

Containers do not have to be grounded and bonded when material is transferred, but it is recommended as a good practice. Store in a cool, dry place. Keep away from heat, sparks, and flames.

Section VIII: Control Measures

Part-A

Respiratory Protection: Not necessary under normal conditions of use. (Component "A + B") Dust mask, if levels exceed 15mg/cu.meter. (Component "C"; 3 part)

Ventilation:

Local Exhaust: Normal ventilation, mechanical (general)

Special: If product is used at elevated temperatures, a fume collection system is suggested.

Protective Gloves: Required for safety protection **Eye Protection**: Safety glasses **Other Protective Clothing and Equipment**: Evaluate need based on particular application **Work/Hygienic Practice**: Handle in accordance with good industrial, hygiene and safety practice for handling non-hazardous liquid material.

Part-B

Respirator Protection:	NIOSH approved respirator protection for organic vapors.
Ventilation:	Utilize local exhaust to control high vapor concentrations. Do not rely on general exhaust.
Protective Gloves:	Utilize appropriate impervious chemical gloves.
Eye Protection:	Chemical goggles and possibly a face shield.
Other Protective Equipment:	Wear additional protective clothing to prevent skin contact. This may include apron, chemical resistant boots, and chemical resistant suits.
Work Practices:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using soap and water.

NOTE: The information in this MSDS is compiled from sources considered to be accurate to the best of our knowledge and applies to activities within the scope of the intended use of the product as a vegetable/seed oil. No warranty is expressed or implied with respect to completeness of continuing accuracy of the information given here. User should satisfy themselves that they have all current data relevant to their particular use.