ECOR® Material Safety Data Sheet

This Material Safety Data Sheet was completed in accordance with ANSI Standardized MSDS Format

Section 1: Product and Company Identification	
Product	ECOR® Environmental Composite
Manufacturer	Noble Environmental Technologies Corporation
Address	1660 B Logan Ave San Diego, CA 92113
Telephone Number for Information	866-417-5518
Emergency Telephone Number	760-473-8201

Section 2: Composition/Information on Ingredients					
Ingredient	**CAS#**	**Percent**	**Agency**	**Exposure Limits**	**Comments**
Linerboard (paper fiber/cellulose)	9004-34-6	45-85	OSHA OSHA ACGIH	PEL-TWA 15 mg/m^3 PEL-TWA 5 mg/m^3 TLV-TWA 10 mg/m^3	Total dust Respirable dust Total dust
Corrugating medium (paper fiber/cellulose)	9004-34-6	15-50	OSHA OSHA ACGIH	PEL-TWA 15 mg/m^3 PEL-TWA 5 mg/m^3 TLV-TWA 10 mg/m^3	Total dust Respirable dust Total dust

Section 3: Hazard Identification		
Emergency Overview This product contains no substances considered to be hazardous to health		
Potential Heath Effects	Primary Health Hazard:	Exposure to dust particles from the panel
	Routes of Entry:	Eye. Inhalation.
	Target Organs:	Eyes. Respiratory System.
	Inhalation:	Dust particles from the panel may cause nasal and respiratory irritation
	Eye Contact:	Dust particles from the panel may cause eye irritation and redness
	Chronic Effects:	None expected
	Medical Conditions Aggravated by Exposure:	Dust may aggravate preexisting eye conditions, respiratory conditions, or allergies
Suspected Cancer Agent	( ) Yes	(X) No

Section 4: First Aid Measures	
Ingestion	NAP
Eye Contact	Dust may irritate the eyes, resulting in redness or watering. Flush eye with water to remove dust particles. Seek medical attention if irritation persists.
Skin Contact	NAP
Skin Absorption	NAP
Inhalation	Excessive dust concentration may lead to obstructions in the nasal passages. Fresh air may free dust particles. Seek medical attention if irritation persists, or severe coughing or breathing difficulty occurs.

Section 5: Fire Fighting Measures	
Flash Point (Method Used)	NAP
Flammable Limits	LEL: See below under “Unusual Fire and Explosion Hazards” UEL: NAP
Extinguishing Media	Water Spray, Carbon Dioxide, Alcohol-Resistant Foam, Dry Chemical
Autoignition Temperature	446º-464ºF (230º-240ºC)
Special Firefighting Procedures	None
Unusual Fire and Explosion Hazards	Depending on moisture content, particle diameter, and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m^3 is often used as the LEL for cellulose pulp.

Section 6: Accidental Release Measures	
Steps To Be Taken In Case Material Is Released or Spilled	NAP. If material releases high dust concentration, goggles and dust respirator may be needed.

Section 7: Handling and Storage	
Handling	No special handling precautions are necessary.
Storage	Keep product in cool, dry place and away from open flame.

Section 8: Exposure Control/Personal Protection		
Personal Protective Equipment	Respiratory Protection:	NAP. A NIOSH/MSHA-approved dust respirator is recommended when allowable exposure limits may be exceeded.
	Protective gloves:	NAP
	Eye Protection:	NAP. Goggles or safety glasses recommended if product generates high dust concentrations.
	Other Protective Clothing or Equipment:	NAP. Extra clothing may be desirable in dusty areas.
	Work/Hygiene Practices:	NAP
Engineering Measures		Ensure adequate ventilation for dust particles, especially in confined areas
Environmental Exposure Controls		No information available

Section 9: Physical and Chemical Properties	
Form	Solid
Appearance	Panel with no sharp points
Odor	Little to none
Boiling Point	NAV
Vapor Pressure (mm Hg)	NAV
Vapor Density (air = 1; 1 atm)	NAV
Specific Gravity (H2O = 1)	0.1-0.3
Melting Point	NAV
Evaporation Rate (Butyl acetate = 1)	NAV
Solubility in Water (% by weight)	Insoluble
% Volatile by Volume @ 70ºF (21ºC)	NAV
pH	NAV

Section 10: Stability and Reactivity	
Stability	Stable
Conditions to Avoid	Avoid open flame, sparks, and other sources of ignition
Incompatibility (Materials to Avoid)	No information available
Hazardous Decomposition or By-Products	None
Hazardous Polymerization	Will not occur

Section 11: Toxicological Information	
Acute Toxicity	No information available
Carcinogenic Effects	IARC Carcinogen List – Not Listed NTP Carcinogen List – Not Listed ACGIH Carcinogen List – Not Listed
Mutagenic Effects	No information available
Reproductive Effects	No information available
Target Organ Effects	No information available

Section 12: Ecological Information
No information available at this time.

Section 13: Disposal	
Waste Disposal Method	If disposed of or discarded in its purchased form, incineration is preferable. Dry land disposal is acceptable in most states. It is, however, the user's responsibility to determine at the time of disposal whether your product meets EPA RCRA criteria for hazardous waste. Follow applicable federal, state, and local regulations.

Section 14: Transport Information		
Domestic (Land, DOT)	UN-No	Not required
	Hazard Class	Not applicable
	Packing Group	Not applicable
	Subsidiary Risk	Not applicable
	Description	ECOR® Environmental Composite

Section 15: Regulatory Information	
U.S. Federal Regulations	**VOC Regulations**: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules
State Regulations	**Prop 65**: This product does not contain chemicals known to the state of California to cause cancer

Section 16: Other Information	
Revision Date	29March2012
Supersedes	original
Prepared By	Noble Environmental Technologies Corporation
User's Responsibility	The information contained in this Material Safety Data Sheet comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as necessary. The user has the responsibility to make sure that this sheet is the most up to date issue.

Definition of Common Terms:	
ACGIH	American Conference of Governmental Industrial Hygienists
C	Ceiling Limit
CAS#	Chemical Abstracts System Number
EPA	U.S. Environmental Protection Agency
IARC	International Agency for Research on Cancer
LCLo	Lowest concentration in air resulting in death
LC50	Concentration in air resulting in death to 50% of experimental animals
LDLo	Lowest dose resulting in death
LD50	Administered dose resulting in death to 50% of experimental animals
MSHA	Mining Safety and Health Administration
NAP	Not Applicable
NAV	Not Available
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit (15 minutes)
TCLo	Lowest concentration in air resulting in a toxic effect
TDLo	Lowest dose resulting in a toxic effect
TLV	Threshold Limit Value
TWA	Time-Weighted Average (8 hours)
WHMIS	Workplace Hazardous Materials Information System