







MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME: Eco-Mastic-Grey PRODUCT NUMBER: 55-51 (For grey only - for other colors see 55-50)			
		<u>MON-ECO INDUSTRIES, INCORPORATED</u>	
TRADE NAME: Eco-Mastic GENERAL USE: Paint CHEMICAL FAMILY: Water Based Paint		PRODUCT DESCRIPTION: Soft paste, mild odor. Grey Color.	
MANUFACTURER Mon-Eco Industries, Inc.		EFFECTIVE DATE: 11 October 2010 DATE OF EXPIRATION: 10 October 2013 SUPERSEDES DATE: New issue.	
TELEPHONE NUMBER (General Inquiries) 732-257-7942		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS	
ADDRESS (NUMBER, STREET, P.O. BOX) 5 Joanna Ct (CITY, STATE AND ZIP CODE) COUNTRY East Brunswick, NJ 08816 USA			1-800-255-3924 North America (Toll Free)
		813-248-0585 International and Local Calls	
SECTION 2 - HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW Warning! Product mists may cause irritation to respiratory system. Product contains known inhalation carcinogen, but the physical form of this product makes inhalation highly unlikely. Target Organs: Lungs. Product may be a slight irritant to eyes and skin. Ingestion may result in gastro-intestinal distress. Product is non-flammable and poses low acute oral toxicity. Product is minimally harmful to aquatic environments; do not dispose of product in bodies of water. Warning: This product contains a chemical Carbon Black CAS# 1333-86-4 a chemical known to the State of California to cause cancer.			
US /DOT None	CANADA HAZARD 	EUROPEAN 	(GHS) HAZARD SYMBOLS 
HMIS HAZARD RATINGS 0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE 3 = HIGH, 4 = EXTREME * - CHRONIC HEALTH HAZARD		HEALTH: 1 FLAMMABILITY: 0 PHYSICAL HAZARD: 0	
REQUIRED PERSONAL PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: B/E			
			Safety glasses and gloves are suggested for general handling (B). Additionally, a dust respirator is recommended for spraying operations (E).
RISK PHRASES R40: Limited evidence of carcinogenic effect.			
SAFETY PHRASES S36/37: Wear suitable protective clothing and gloves.			
POTENTIAL HEALTH EFFECTS			
ACUTE EXPOSURE EFFECTS			
INHALATION: Respiratory tract irritation may occur from mists. Inhalation exposure to mists may pose a possible cancer hazard based on tests with laboratory animals. Harmful if inhaled in large quantities; Exposure may impair lung function and cause mucostasis (reduced mucous clearance); wear respirator/dust mask while spraying. May cause central nervous system effects. Overexposure may result in headache and dizziness and/or drowsiness.			
SKIN: May cause mild skin irritation.			
EYES: May cause mild to moderate eye irritation.			
INGESTION: Causes gastrointestinal distress if ingested, with nausea and vomiting.			

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SECTION 2 - HAZARDS IDENTIFICATION (Continued)

CHRONIC EXPOSURE EFFECTS

A possible risk of pulmonary difficulties such as shortness of breath, coughing, and wheezing exists for this product with prolonged and/or multiple exposures; this mainly occurs from inhalation of respirable particles and not from specific toxicity. Proper utilization of Personal Protective Equipment (see above and Section 8) is suggested to minimize these risks. Inhalation of (airborne, unbound particles of respirable size) the carbon black component of this product carries a possible cancer hazard based on tests with laboratory animals. The physical form of this product (paste) however makes chronic inhalation exposure unlikely.

CARCINOGENICITY:

IARC - Titanium dioxide& Carbon Black = Group 2B. **NTP - no listings.**
California Proposition 65 - Carbon Black Carcinogen 2/21/2003 **ESIS - R-40 Carbon Black**

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)
Titanium Dioxide	5-15	13463-67-7	236-675-5	None	None
Carbon Black	NR	1333-86-4	215-609-9	Xn	R40

NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

SECTION 4 - FIRST AID MEASURES

INHALATION:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get emergency medical aid for rare cases of breathing difficulty or cessation, or where victim is not conscious and alert to surroundings.

EYES:

Remove contact lenses if present. Immediately flush eyes with plenty of potable water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation is severe or persistent, consult a physician.

SKIN:

Wash affected areas with soap and warm water. Get medical aid if irritation develops or persists.

INGESTION:

DO NOT INDUCE VOMITING!!! If victim is conscious and alert to surroundings, rinse mouth thoroughly and drink 1-2 glasses of water. Seek emergency medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

DATA RELATED TO FIRE:

FLASH POINT: >200°F / 94°C. **AUTO-IGNITION TEMPERATURE:** NA
FLAMMABLE/EXPLOSIVE LIMITS: **LOWER:** NA **UPPER:** NA

SENSITIVITY TO MECHANICAL IMPACT/ STATIC DISCHARGE: NONE

GENERAL HAZARDS:

May combust under extreme fire conditions. Heated and/or ignited product may produce irritating and/or toxic fumes. Wear self-contained breathing apparatus and full chemical firefighting gear.

SUITABLE EXTINGUISHING MEDIA:

Water Spray, Foam, CO2, Dry Chemical - any extinguishing media is acceptable.

UNSUITABLE EXTINGUISHING MEDIA:

None.

FIRE FIGHTING PROCEDURES:

Firefighters must wear a self contained breathing apparatus and full chemical firefighting gear when fighting chemical fires. Water may be used to cool off fire-exposed containers to prevent rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Heated containers may rupture and release contents, forming a potentially slippery surface.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon, nitrogen, and sulfur oxides; titanium fumes may form in small amounts.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Cleanup personnel should wear Personal Protective Equipment. For small spills, wipe and clean up spill; place towels in general waste container. For large spills, absorb with inert material (vermiculite, sand, diatomaceous earth) and place in waste container. Dispose of used absorbent in a licensed and permitted facility, preferably by incineration with exhaust scrubbers being used. Avoid contamination of waterways, sewers etc with this product.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Handle product while wearing Personal Protective Equipment and provide adequate ventilation. Avoid contact with eyes. Avoid excess temperatures. Keep out of reach of children. Store in a tightly closed container away from incompatible materials. Do Not Freeze!

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	CAS #	ACGIH Exposure Limits (mg/m3 unless otherwise noted)	OSHA Exposure Limits (mg/m3 unless otherwise noted)
Titanium Dioxide	13463-67-7	10	15
Carbon Black	1333-86-4	3.5	3.5

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

For spraying operations or when ventilation is insufficient, a dust respirator is recommended in order to prevent inhalation of particulate matter. Follow OSHA/NIOSH guidelines in choosing a respirator.

PROTECTIVE GLOVES:

Wear gloves made of chemically resistant material such as nitrile or neoprene.

EYE PROTECTION:

Wear safety glasses with splash protective side shields or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None.

ENGINEERING CONTROLS:

Provide general ventilation sufficient to control airborne concentration below the TLV/TWA's listed.

WORK / HYGIENIC PRACTICES:

Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use. Dispose of contaminated leather footwear.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Soft paste, mild odor. Grey Colored product.	VAPOR PRESSURE 17 mm Hg
ODOR THRESHOLD Not Established	SPECIFIC GRAVITY (WATER = 1) 1.34
FREEZING / MELTING POINT <32°F / <0°F	BOILING POINT 212F / 100°C
SOLUBILITY IN WATER Dilutable when wet	COEFFICIENT OF WATER / OIL DISTRIBUTION Not Determined
pH Not Determined	SOLUBILITY IN ORGANIC SOLVENTS Variable - dependent upon solvent
FLASH POINT NA	VISCOSITY Not Determined
FLAMMABLE LIMITS LEL: NA UEL: NA	VAPOR DENSITY (AIR = 1) >1
AUTOIGNITION TEMPERATURE NA	EVAPORATION RATE (Water = 1) ~1

VOLATILE ORGANIC COMPOUND (VOC) INFORMATION

0.52 lbs/ gallon or 62 g / L (<10% volatile by weight)

NOTES: None

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY Stable under normal conditions	CONDITIONS TO AVOID: excess heat, incompatible materials.		
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, water-reactive substances, strong mineral acids (sulfuric, nitric, perchloric, etc.)			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon, nitrogen, and sulfur oxides; titanium fumes may form in small amounts under fire conditions only.			
HAZARDOUS POLYMERIZATION: Will not occur	CONDITIONS TO AVOID: None related to hazardous polymerization		
SECTION 11 - TOXICOLOGICAL INFORMATION			
Complete Product			
Oral LD ₅₀	LD50 is unknown, but overall toxicity is expected to be low.		
Dermal LD ₅₀	Not known - product may be slightly irritating by contact with skin.		
Inhalation LC ₅₀	Not known - wear dust mask/respirator to avoid particulate matter from spraying operations.		
Irritation / Sensitization	Potential chemical and mechanical irritant to eyes and respiratory tract; may cause slight dermal irritation.		
Carcinogenicity	Not known for complete product. For Titanium Dioxide & Carbon Black = IARC Group 2B. Carbon Black is listed as a carcinogen by the State of California (proposition 65) and by Europe R-40. when inhaled.		
Mutagenicity	Not known		
Reproductive Toxicity	Not known		
Teratogenicity	Not known		
Product Components			
Component	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
Titanium Dioxide	13463-67-7	Not established	Not established
Carbon Black	1333-86-4	Oral, rat: LD50 = >15400 mg/kg	Skin, rabbit: LD50 = >3 gm/kg
SECTION 12 - ECOLOGICAL INFORMATION			
Product may pose slight risk to aquatic environments. Do not release into bodies of water.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Place in an appropriate disposal facility in compliance with all local, state, and federal regulations. User is responsible for compliance with all laws and regulations. US EPA Waste Numbers: None.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not regulated for transport			
DOT HAZARD CLASS / Pack Group: None		IATA HAZARD CLASS / Pack Group: None	
REFERENCE: 49CFR, IATA, IMDG		IMDG HAZARD CLASS: None	
UN / NA IDENTIFICATION NUMBER: None		RID/ADR HAZARD CLASS: None	
LABEL: None		ADR CLASSIFICATION: None	
HAZARD SYMBOLS: None		ADR EMERGENCY ACTION CODE: None	
		Hazard Identification Number (HIN): None	
		TDG Class / Pack Group: None	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		Components Listed on the TSCA inventory.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health:	NO	Chronic Health:	NO
Fire:	NO	Sudden Release of Pressure:	NO
Reactive:	NO		

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SECTION 15 - REGULATORY INFORMATION (Continued)

SARA 313 REPORTABLE INGREDIENTS: **None**
 CERCLA (USA - Comprehensive Response Compensation and Liability Act): **No RQ for product.**
 State Right to Know Laws: **Titanium Dioxide is on the right-to-know lists of CA, MA, MN, NJ, and PA. Carbon Black is on the following right to know lists: CA, MA, MN, NJ, and PA,**
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **This product contains a chemical Carbon Black CAS# 1333-86-4 known to the State of California as a carcinogen, initial date 2/21/2003.**
 CPR (Canadian Controlled Products Regulations): **This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. WHMIS Classifications: D2A , D2B.**
 IDL (Canadian Ingredient Disclosure List): **Titanium Dioxide and Carbon Black are listed on the CIDL.**
 DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Components listed on the DSL.**
 EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**
 WGK Water Quality Index: **2**

EU RISK PHRASES
R40: Limited evidence of a carcinogenic effect.

EU SAFETY PHRASES
S36/37: Wear suitable protective clothing and gloves.

SECTION 16 - OTHER INFORMATION

Legend:
 ACGIH American Congress of Government Industrial Hygienists
 CAS Chemical Abstracts Service
 EINECS European Inventory of Existing Commercial Chemical Substances
 HMIS Hazardous Materials Identification System
 IARC International Agency for Research on Cancer
 NA Not Available ND Not Determined
 NE Not Established NR Not Reported
 NIOSH National Institute for Occupational Safety and Health
 NTP National Toxicology Program
 OSHA Occupational Safety and Health Administration

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.