MATERIAL SAFETY DATA SHEET

ENVIRODECK™ WOOD-POLYMER-COMPOSITE PRODUCTS
MSDS-02

FIBERPLAST biobased B.V.
circulaire bouwmaterialen voor gevel en vloer

DATED: 01/01/19

1. PRODUCT- AND COMPANY IDENTIFICATION
PRODUCT NAME:
ENVIRODECK™ WOOD-POLYMER-COMPOSITE PRODUCTS

STANDARD COLORS:

- Natural Brown (sand brown)
- Cedar Brown (terracotta brown)
- Coffee Brown (dark brown)
- Antracite Grey (grey)

DISTRIBUTOR:
FIBERPLAST biobased B.V.
DE Boeg 24
NL-9206 BB DRACHTEN
FRIESLAND- THE NEDERLANDS

PRODUCT EN MSDS INFORMATION: 0031-512-544503

2. COMPOSITION / INFORMATION ABOUT INGREDIËNTS
CHEMICAL COMPOSITION AND SYNONIMS:
WOOD-FIBER / WOOD-DUST / SAW-DUST

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:
SUBSTANCE NAME WT. WOOD FIBER DUST 50-55 CARBON BLACK (1333-86-4) <1

NOTE: WOOD DUST AND CARBON BLACK ARE CONTAINED IN A POLYETHYLENE MATRIX.
Contains used thermoplastics and waste wood. Plastic obtained primarily from reclaimed/recycled containers and bags; wood fiber is typically obtained from furniture makers and/or waste pallets. Standard product is approximately 40% - 45% thermoplastic and 50% - 55% wood fiber. See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION
U.S. OSHA HAZARD COMMUNICATION STANDARD:
This product may be used in applications that produce wood dust fibers. According to OSHA 29 CFR 1910.1200, certain wood fibers and carbon black are considered hazardous if the workplace airborne concentration exceeds the OSHA or ACGIH exposure limits (see section 8).

EFFECTS OF OVEREXPOSURE:
Dust can irritate nose, throat and respiratory tract and may cause mechanical irritation in the eyes. Repeated exposures to certain wood dusts can produce allergic skin and respiratory reactions including asthma and rhinitis. Inhalation of certain wood fibers can cause nasal cancer.

EMERGENCY RESPONSE DATA:
Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion.
DOT ERG No. - NA

4. FIRST AID MEASURES
EYE CONTACT:
Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT:
Wash contact areas with soap and water. Launder contaminated clothing before reuse.

INHALATION:
If respiratory irritation, cough, shortness of breath, wheezing or chest tightness occurs after exposure to dust, remove from further exposure, seek immediate medical assistance and call for a physician.

INGESTION:
Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

5. FIRE-FIGHTING MEASURES
Extinguishing Media:
Water

Special Fire Fighting Procedures:
Use water to keep fire exposed product cool. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Special Protective Equipment:
For fires in enclosed areas, fire fighters must use self- contained breathing apparatus.

Unusual Fire and Explosion Hazards:
Exposure to fire can generate fumes. High dust levels may create potential for explosion. Flash Point C(F): > 370 (698) (Flame Spread Index = 80). Flammable limits - LEL: NA, UEL: N/A.

NFPA Hazard ID:
Health:
0

Flammability:
1

Reactivity:
0

Hazardous Decomposition Products:
Smoke, Carbon Monoxide.

6. ACCIDENTAL RELEASE MEASURES
Notification Procedures:
None

Procedures if Material is Released or Spilled:
Where dusty conditions are created as a result of cutting or sawing, wet dust down then sweep or vacuum for disposal. Personnel performing cleanup must use protective equipment.

Environmental Precautions:
Not expected to be a problem.

Personal Precautions:
See Section 8

7. HANDLING AND STORAGE

Handling:

ENVIRODECK™ WOOD-POLYMER LUMBER is not intended for load bearing or heavy structural applications. Please consult Envirodeck™ company literature for proper usage. Envirodeck™ Wood-Polymer-Composite is heavier than most traditional lumber products, proper handling is required to prevent damage or injury. Do not burn in fireplace or use as firewood.

Storage:

Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

Use in well ventilated area.

Respiratory Protection:

Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely.

Eye Protection:

Safety glasses with side shields, or goggles, should be worn to protect against dust particles.

Skin Protection:

No special equipment required. Good personal hygiene practices should always be followed.

TWA STEL Substance Name (CAS-No.) Source ppm mg/m3 ppm mg/m3

- Wood Fiber Dust
- Certified Hardwood OSHA 5
- Softwood OSHA 5
- Western Red Cedar OSHA 2.5
- Softwood ACGIH 5 10 as Beech/Oak Cert. Hardwood ACGIH 1
- Carbon Black (1333-86-4) OSHA 3.5
- ACGIH 3.5

Note:

Limits shown for guidance only. Follow application regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

For typical physical properties consult Product Data Sheet. For further technical information, contact your marketing representative.

10. STABILITY AND REACTIVITY

Stability (Thermal, Light, Etc.):

Stable.

Conditions to Avoid:

Heat and flame. Build up of dusts.

Incompatibility (Materials to avoid):

Strong oxidizers.

Hazardous Decomposition Products:

Smoke, Carbon Monoxide.

Hazardous Polymerization:

Will not occur.

11. TOXICOLOGICAL DATA Acute Toxicology
Oral Toxicity (Rats):
Not established.

Dermal Toxicity (Rabbits):
Not established.

Inhalation Toxicity (Rats):
Not established.

Eye Irritation (Rabbits):
Not established.

Skin Irritation (Rabbits):
Not established.

Chronic Toxicology (Summary)
IARC has determined that there is sufficient evidence to classify wood fiber as a human carcinogen. IARC has classified carbon black as a possible human carcinogen based on animal data. When wood fiber and carbon black are incorporated into a polymer matrix exposure is virtually eliminated.

12. ECOLOGICAL INFORMATION
Environmental Fate and Effects:
Not established.

13. DISPOSAL CONSIDERATIONS
Waste Disposal:
Dispose of waste as normal refuse.

RCRA Information:
The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP)

14. TRANSPORT INFORMATION
USA DOT:
Not regulated by USA DOT.

IMO:
Not regulated by IMO.

IATA:
Not regulated by IATA.

15. REGULATORY INFORMATION
Governmental Inventory Status:
All components comply with TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no “EXTREMELY HAZARDOUS SUBSTANCES.”

SARA (311/312) REPORTABLE HAZARD CATEGORIES:
CHRONIC This product contains no chemicals reportable under SARA (313) toxic release program. The following product ingredients are cited on the lists below:

Chemical Name CAS Number List Citations
Wood Fiber Dust 1, 2, 6
Carbon Black 1333-86-4 8

REGULATORY LISTS SEARCHED:
1 - ACGIH ALL 6 - IARC 1 11 - TSCA 4 17 - CA P65 22 - MI 293
2 - ACGIH AL 7 - IARC 2A 12 - TSCA 5A2 18 - CA RTK 23 - MN RTK
3 - ACGIH A2 8 - IARC 2B 13 - TSCA 5E 19 - FL RTK 24 - NJ RTK
4 - NTP CARC 9 - OSHA CARC 14 - TSCA 6 20 - IL RTK 25 - PA RTK
5 - NTP SUS 10 - OSHA Z 15 - TSCA 12B 21 - LA RTK 26 - RI RTK

USE:
COMPOSITE LUMBER PRODUCTS

INGREDIENT PCT CAS NUMBER
Wood Fiber 50-55
Polyethylene 40-45 9002-88-4
Carbon Black < 1 1333-86-4

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