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Safety Data Sheet PhenoFlake

Section 1 Product Description

CHEMICAL NAME: **Ground Laminate**

PRODUCT USE: **Loss Circulation Material**

TSCA Inventory Status: **ALL REPORTABLE INGREDIENTS ARE LISTED IN THE CHEMICAL SUBSTANCE INVENTORY.**

Issued by: Johnnie Kelley, COO

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Section 2 Hazard(s) Identification

GHS Classification: Not Applicable. Material is classified as non-hazardous.

GHS Signal Words with Hazard and Precautionary Statements: Not Applicable.

GHS Pictograms: Not Applicable.

Route of Entry: For dust or chips generated during grinding operations: eye contact, skin contact, and inhalation.

Target Organs: None.

Skin Contact: Solid sheet may be abrasive to, or cut skin. Grinding, etc., may produce dust or fines that may be irritating.

Eye Contact: No hazard for product as sold. Grinding, etc., may produce dust or fines that may be irritating.

Respiratory Contact: No hazard for product as sold. Grinding, etc., may produce dust or fines that may be irritating.

Ingestion: Not an expected route of entry.

WARNING! This product may form combustible dust during processing.

HMIS (United States)

Health 0
Flammability 1
Reactivity 0
PPE B

NFPA (United States)

WHMIS (Canada): Not classified as hazardous

SECTION 3 Composition/Information on Ingredients

Name	CAS #	% by Weight
Cellulose	9004-34-6	15 – 80
Formaldehyde Resins	Not Applicable	5 – 45
Release Paper	Not Available	5 – 15
Acrylic Adhesive	Not Available	1 – 10
Polyester Carrier Film	25038-59-9	0.5 – 2

Section 4 First-Aid Measures

Skin: Solid sheet may be abrasive to, or cut skin. Fabrication operations such as grinding, etc., may produce dust or fines that may be irritating. May aggravate existing skin conditions. Wash with soap and water. If irritation persists, seek medical attention.

Eye: Fabrication operations such as grinding, etc., may produce dust or fines that may be irritating to the eyes. Rinse eyes with water for 15 minutes. If irritation persists, seek medical attention.

Respiratory: Fabrication operations such as grinding, etc., may produce dust or fines that may be irritating to the respiratory tract. If irritation persists, seek medical attention.

Ingestion: Not an expected route of entry with normal product use

SECTION 5 Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Specific Hazards Arising from the Chemical: Not Available.

Special Protective Equipment and Precautions for Firefighters: Use self-contained breathing apparatus and protective clothing appropriate for surrounding fire.

Flash Point and Method: Not Applicable.

Flammability Classification: Not Available.

Risk of Explosion due to Mechanical Impact: Not Applicable.

Risk of Explosion due to Static Discharge: No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust. Fine dust dispersed in the air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Products of Combustion: Carbon oxides (CO and CO₂) and various Hydrocarbons.

Special Remarks: None.

Section 6 Accidental Release Measures

Spill or Release: Clean up by vacuuming or wet sweeping to minimize dust exposure.

SECTION 7 Handling and Storage

Handling Precautions: No specific usage precautions required. Follow normal good hygiene practices. Protect exposed skin from cuts and abrasions. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Avoid dispersal of dust in the air (i.e., clearing dusty surfaces with compressed air).

Storage Precautions: Store in a dry well-ventilated area.

SECTION 8 Exposure

EYE: Safety glasses are recommended to prevent particulate matter from entering eyes while grinding.

SKIN:

Ventilation: Local exhaust at processing equipment to keep particulates below 15 mg/m³, the OSHA limit for nuisance dusts.

Respirator: None under normal processing, if ventilation is adequate .

Section 9 Physical and Chemical Properties

Appearance: Various colors and dimensions.

Odor: None.

Odor Threshold: Not Applicable.

pH: Not Applicable.

Melting Point / Freezing Point: Not Applicable.

Initial Boiling Point and Boiling Range: Not Applicable.

Flash Point and Method: Not Applicable.

Evaporation Rate: Not Applicable.

Flammability: Material is combustible.

Lower Explosion Limit: Not Applicable.

Upper Explosion Limit: Not Applicable.

Vapor Pressure: Not Applicable.

Vapor Density: Not Applicable.

Relative Density: 72 – 76 lbs/ft³.

Solubility(ies): Not soluble.

Partition Coefficient (n-Octanol in Water): Not Applicable.

Auto-ignition Temperature: Not Available.

Decomposition Temperature: Not Available.
Viscosity: Not Applicable.

SECTION 10 Stability and Reactivity

reactivity: Product is non-reactive.
Chemical Stability: Product is stable.
Possibility of Hazardous Reactions: None.
Conditions to Avoid: None.
Materials to Avoid (Incompatibility): None.
Hazardous Decomposition Products: Carbon Oxides (CO, CO₂) and various Hydrocarbons.

SECTION 11 Toxicological Information

Acute Toxicity to Animals: This product has not been tested for animal effects. This product is not expected to be toxic to animals.
Acute Toxicity to Humans: This product has not been tested for human effects. This product is not expected to be toxic to humans.
Chronic Toxicity to Animals: This product has not been tested for animal effects. This product is not expected to be toxic to animals.
Chronic Toxicity to Humans: This product has not been tested for human effects. This product is not expected to be toxic to humans.
Skin Corrosion / Irritation: Not Available.
Eye Damage / Irritation: Not Available.
Respiratory Sensitization: Not Available.
Skin Sensitization: Not Available.
Mutagenicity: Not Available.
Carcinogenicity: Not Available.
Reproductive Toxicity: Not Available.
STOST- Single Exposure: Not Available.
STOST – Repeated Exposure: Not Available.
Aspiration Hazard: Not Applicable.

Section 12 Ecological Information

Ecotoxicity: Not available. Not expected to be ecotoxic.
Persistence and Degradability: Not Available.
Bioaccumulative Potential: Not Available.
Mobility in Soil: Not Available.
Other Adverse Effects: Not Available.

Section 13 Disposal

Disposal Methods: Not classified as hazardous waste. Dispose of in accordance with Federal, State, and local regulations.

Section 14 Transport Information

UN Number: Not Available.
UN Proper Shipping Name: Not Available.
Transport Hazard Class: Not Applicable.
Packing Group: Not Applicable.
DOT Classification: Not Applicable.
Special Provision for Transport: Not Applicable.
ADR / RID Classification: Not Applicable.
ICAO/IATA Classification: Not Applicable.
IMO/IMDG Classification: Not Applicable
Marine Pollutant: Not expected to be a marine pollutant.

Section 15**Regulatory Information**

U.S. Federal Regulations

Chemical (& CAS Number)	SARA 302 (EHS) TPQ	SARA 304 (EHS) Rq	SARA 313 de minimis	CERCLA Rq	CAA 112(r) TQ	RCRA Code
None						

All quantities in pounds.

State Regulations

None

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Formaldehyde (CAS 50-00-0)	X*					

*WARNING: This product contains a chemical known to the State of California to cause cancer. Formaldehyde (CAS 50-00-0) in trace amounts.

International Regulations

DSL (Canada): None.

EINECS: None.

WHMIS: Not classified as hazardous.

Section 16**Other Information**

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of WelDril Holdings, LLC, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. WelDril Holdings, LLC makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefor.

