

**Section 1 Chemical Product and Company Identification**

**Product Identifier** Redboard

**General Use** Makeready material for pouring counters and foil stamping

**Company** Infinity Foils, Inc. – A UEI Group Company

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**Section 2 Hazards Identification**

During normal operation and usage, this solid material article does not present inhalation, ingestion, or chemical hazards.

When this article is machined or otherwise modified by the user, chips containing filaments and fine or tacky dusts may be created in quantities substantial enough to affect the functionality of machines and equipment and may be potentially hazardous if the exposure limits described in Section 8 are exceeded.

**Section 3 Hazardous Ingredients / Identity Information**

Where present, listed constituents exist as a solid.

**May Contain the Following**

Hazardous Components	CAS No.	%
Cellulose	9004-34-6	< 100%

**Section 4 First Aid Measures**

**Inhalation** If breathing has stopped, perform artificial respiration and obtain medical aid immediately. If persistent irritation, severe coughing, or breathing is difficult, provide fresh air and seek medical attention as soon as possible.

**Ingestion** If the product or dust is swallowed, seek immediate medical attention or advice. Do not induce vomiting.

**Eye Contact** Eye injuries from solid particles should receive immediate medical attention. Dust may be flushed from eyes immediately with large amounts of water, lifting the lower and upper lids occasionally. Seek medical attention.

**Skin Contact** Cuts or abrasions should be treated promptly with thorough cleansing of the affected area. Wash the skin using soap or mild detergent and water. Get medical attention if irritation or dermatitis develops and persists.

## Section 5 Firefighting Measures

<b>Flammable/Combustible Properties</b>	Carbon dioxide, carbon monoxide, and other hazardous gases and volatiles may be generated.
<b>Flammability Classification</b>	
OSHA/NFPA	Class: Solid
<b>Extinguishing Media</b>	Same as for a wood fire (water, carbon dioxide, dry chemical, foam or sand).
<b>Unusual Fire and Explosions Hazards</b>	Isolate fire area and deny unnecessary entry. Fire fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing. Dust from machining and fabrication operations may be explosive if mixed with air in critical proportions in the presence of an ignition source. Heat from fire can generate decomposition products that may cause a health hazard.

## Section 6 Accidental Release Measures

<b>Personal Precautions</b>	Product in solid form may be picked up by hand or other means to be placed into a container.
<b>Environmental Precautions</b>	Should waste disposal be deemed necessary, follow Federal, State, or Local regulations.
<b>Methods for Cleaning Up</b>	Do not use compressed air for cleaning.

## Section 7 Handling and Storage

Store material in a clean, cool, ventilated area away from all sources of ignition. Dust generated during normal manufacturing operations can represent both a health hazard and a fire hazard. Use dust control equipment at the point of generation in machining and sawing operations. Wash hands and other exposed areas thoroughly after handling and wash soiled clothing before reuse.

## Section 8 Component Exposure Limits

<b>Appropriate Engineering Controls</b>	When machining, use adequate local (preferably) or general exhaust ventilation to ensure that concentrations of dusts or fumes do not exceed exposure limits. Keep workplace clean and dry. Train personnel to minimize exposure to hazards during installation and replacement of product. On a regular basis, verify condition and proper function of equipment in which the product will be installed.
<b>Personal Respiratory Protection</b>	Use an approved respirator, with the proper assigned protection factor, whenever airborne concentrations of hazardous components exceed listed exposure limits.
<b>Personal Hand Protection</b>	Use appropriate gloves for periods of longer exposure or to protect against physical hazards.
<b>Eye Protection</b>	Always wear safety glasses with side shields and appropriate hearing protection when grinding or cutting.
<b>Skin Protection</b>	For brief contact with dust, no precautions other than clean clothing are usually required.

Hazardous Components	CAS No.	OSHA (PEL/TWA)	ACGIH TLV TWA
Cellulose	9004-34-6	15 mg/m <sup>3</sup> (Respirable Dust)	10 mg/m <sup>3</sup> (Respirable Dust)

**Section 9 Physical and Chemical Properties**

<b>Appearance/Odor</b>	Red/odorless	<b>Odor Threshold</b>	No data
<b>pH</b>	No data	<b>Boiling Point</b>	No data
<b>Melting Point</b>	No data	<b>Solubility (H<sub>2</sub>O)</b>	No data
<b>Specific Gravity</b>	1.7 gm/cc	<b>Density</b>	0.600 g/cm <sup>3</sup>
<b>Octanol/H<sub>2</sub>O Coefficient</b>	No data	<b>Evaporation Rate</b>	Not volatile
<b>Molecular Weight</b>	No data	<b>Decomposition Temperature</b>	No data
<b>Auto Ignition</b>	No data	<b>Lower Flammability Limit</b>	No data
<b>Flash Point</b>	No data	<b>Upper Flammability Limit</b>	No data
<b>Vapor Density</b>	No data	<b>Vapor Pressure</b>	No data
<b>VOC</b>	No data	<b>Flammability Class</b>	No data
<b>Viscosity</b>	No data		

**Section 10 Chemical Stability and Reactivity**

<b>Stability</b>	Stable under normal handling conditions
<b>Conditions to Avoid</b>	Protect from heat, sparks, flame and possible sources of ignition
<b>Incompatibility</b>	Avoid contact with strong acids and bases
<b>Hazardous Decomposition/ By-Products</b>	Carbon dioxide, carbon monoxide, bromine and other hazardous gases. These gases and other volatiles may be generated under normal processing conditions.
<b>Hazardous Polymerization</b>	Will not occur

**Section 11 Toxicological Information**

Possible effects  
by routes of exposure

<b>Inhalation</b>	Dust may cause nasal dryness, irritation, coughing, sneezing and sinusitis due to the mechanical reaction to the fibers. For most individuals, the irritation generally does not persist and the effect will subside after the worker is removed from the exposure. Repeated exposures (even below 5 mg/m <sup>3</sup> ) to certain dusts can produce allergic responses in some sensitive individuals.
<b>Eye Contact</b>	Dust may cause temporary mechanical irritation or a burning sensation to the eyes.
<b>Skin Contact</b>	Dust may evoke allergic contact dermatitis in sensitized individuals.
<b>Ingestion</b>	Ingestion of significant amounts of product is unlikely. If swallowed and person is conscious, give large quantities of water to drink. Get medical attention as soon as possible. Serious effects may occur if large amounts of dust are swallowed.

Acute Toxicity

Component	Oral LD <sub>50</sub> (rat)	Dermal LD <sub>50</sub> (rabbit)	Inhalation LC <sub>50</sub> 4 hr (rat)
Cellulose	>5000 mg/kg	>2000 mg/kg	No data available

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	Not biodegradable. This product is not expected to present an environmental hazard. Avoid releasing dusts and fumes into the environment.
<b>Persistence/Degradability</b>	No Data
<b>Bioaccumulative Potential</b>	No Data
<b>Mobility in Soil</b>	No Data

**Section 13 Disposal Considerations**

<b>Disposal Instructions</b>	Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste.
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**Section 14 Transportation Information**

The material is not regulated under DOT provisions.

**Section 15 Regulatory Information**

<b>U.S. TSCA Inventory Status</b>	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
<b>Canada DSL Inventory Status</b>	All ingredients of this product are listed or are excluded from listing on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.
<b>CERCLA/SARA Section 302</b>	Not listed
<b>SARA (311, 312) Hazard Class</b>	Not listed
<b>CERCLA/SARA Section 313</b>	Not listed
<b>California Prop 65</b>	This product is not subject to the reporting requirements under California's Proposition 65.
<b>WHMIS Hazard Classification</b>	Not listed

**Section 16**

**Other Information**

Infinity Foils, Inc. provides the information contained herein in good faith. It is believed to be correct. However it is not all-inclusive and should be used only as a guide. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. Infinity Foils, Inc. shall not be held liable for any damage resulting from handling or from contact with this product. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources.

**Abbreviations** PEL Permissible Exposure Limit  
TLV Threshold Limit Value

**End Notes**

1. SARA - Signed into law in 1986, the Superfund Amendments and Reauthorization Act (SARA) is an extension of CERCLA, and is intended to encourage and support local and state emergency planning efforts. SARA provides citizens and local governments with information about potential chemical hazards, and calls for facilities that store hazardous materials to provide officials and citizens with data on the type and amount on hand at specific locations. This field states whether a material is listed or not listed in section 372.65 of SARA. EHS - This states if a material is listed or not listed in Appendix B to part 355, the SARA Extremely Hazardous Substances (EHS) section. RQ is the reportable quantity. TPQ is the Threshold Planning Quantity.
2. RCRA - The Resource Conservation and Recovery Act enacted in 1976 and subsequently amended, controls solid-waste disposal and encourages recycling. This states whether a material is listed or not listed under this regulation. If listed the Hazardous Waste Number and waste characterization assigned by RCRA is also provided.
3. CERCLA - Enacted in 1980 and amended thereafter, the Comprehensive Environmental Response, Compensation, and Liability Act provides for identification and cleanup of hazardous materials released on land, into the air, waterways, and groundwater. It covers areas affected by newly released materials and older leaking or abandoned dump sites. This states whether a material is listed or not listed in CERCLA Table 302.4. If listed the section(s) that it is listed under and the Reportable Quantity (RQ) are also provided.
4. TSCA - The Toxic Substances Control Act controls the exposure to and use of raw industrial chemicals not subject to other laws. This states whether the chemical is listed or not listed under this regulation.

**Revision** 20 April 2020  
**Supersedes** 10 August 2016