



**Beno J. Gundlach Co., Inc.**  
**211 N. 21st Street**  
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**618-233-1781**

**MATERIAL SAFETY DATA SHEET**

**GUNDLACH GC28 18OZ. LAMINATE & HARDWOOD CLEANER (AEROSOL)**

**Section I - Product Identity**

Product Name	Wood Perfect
CAS Registry #	Mixture
Emergency Infotrac Number	800-535-5053
Date Prepared	June 1, 2008
Prepared By	Beno J. Gundlach Co.

**Section II - Hazardous Identification**

Emergency Overview	CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame. Prolonged exposure may cause chronic effects.
Potential Health effects	
Eyes	Health injuries are not known or expected under normal use
Skin	This product may be harmful if it is absorbed through the skin.
Inhalation	Intentional misuse by concentrating and inhaling the product can be harmful or fatal.
Ingestion	Exposure by ingestion of an aerosol is unlikely.
Target organs	Kidney.  2- Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans. Blood. Central nervous system.
Chronic Effects	Unconsciousness. Kidney injury may occur. May cause central nervous system disorder (e.g. narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

**Section III - Hazardous Components/Composition Information**

CHEMICAL NAME	CAS #	WEIGHT (%)	OSHA PEL TWA	ACGIH PEL TWA	Ceiling
2- Butoxy ethanol	111-76-2	3-5%	50ppm	20ppm	Not established
Ethyl Alcohol	64-17-5	3-5%	1000ppm	1000ppm	Not established
n-Butane	106-97-8	1-3%	Not established	1000ppm	Not established
Non-hazardous and other components below reportable levels		90%			

## Section IV - First Aid Measures

First Aid Procedures	
Eyes	Flush eyes with water for at least 15 minutes. Remove contact lenses if able to do so. Get medical attention.
Skin	Immediately take off all contaminated clothing. Wash with soap and water.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Inhalation	If symptoms develop move to fresh air. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

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## Section V - Firefighting Measures

Flammable properties	Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.
Extinguishing Media	Water fog, Foam, Dry chemical powder, Carbon dioxide (CO <sub>2</sub> )
Protection of Firefighters	
Protective equipment and precautions for firefighters	In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

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## Section VI - Accidental Release Measures

Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements, or confined areas.
Methods for cleaning up	Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

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## Section VII - Precautions for Safe Handling and Storage

Handling	Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat, or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Wear personal protective equipment. Avoid prolonged exposure.
Storage	Level 1 Aerosol Contents under pressure. Do not puncture, incinerate, or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children. Use care in handling/storage. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

## Section VIII - Exposure Controls / Personal Protection

Personal Protective Equipment	
Eye Protection	Not normally needed.
Skin Protection	No special protective equipment required.
Respiration	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

## Section IX - Physical and Chemical Properties

Boiling Point	206.6 °F (97.2 °C) estimated	Specific Gravity (H <sub>2</sub> O=1)	.9616 estimated
Flammability (HOC)	3.8741 kJ/g estimated	Flash back	No
pH	9.5 - 10.5	Flash point	-156 °F (-104.4 °C) est.
Vapor Pressure	N.D.	Solubility in Water	Partially
Pressure	65 - 80psig @ 70°F	Evaporation Rate (BuAc=1)	N.D.
Specific Gravity	0.9641 estimated	Form	Aerosol
Appearance and Odor	Colorless liquid; characteristic		

## Section X - Stability & Reactivity

Chemical Stability	Risk of ignition
Conditions to Avoid	Heat, flames, and sparks.
Incompatibilities	None known.
Hazardous Decomposition or By-Products	No hazardous decomposition products are known.

## Section XI - Toxicological Information

Acute effects	Acute LD50: 5670 mg/kg estimated, Rat, Dermal Acute LD50: 56 mg/l/4h estimated, Rat, Inhalation
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## Section XII - Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.  LC50 28828 mg/L estimated, Fish 96.00 Hours EC50 43366 mg/L estimated, Daphnia, 48.00 Hours ICO50 12207 mg/L estimated, Algae, 72.00 Hours
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## Section XIII - Disposal Considerations

Waste Codes	D001: Waste Flammable material with a flash point < 140°F
Disposal Instructions	Contents under pressure. Do not puncture, incinerate, or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered at RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

## Section XI Transportation Information

<b>Department of Transportation (DOT) Requirements</b>			
Proper Shipping Name	Consumer Commodity		
Hazard Class	ORM-D	Subsidiary Hazard Class	None
Packaging Exceptions	156, 306	Packaging Non Bulk	156, 306
Packaging bulk	None		

<b>IMDG</b>			
Proper Shipping Name	AEROSOLS		
Hazard Class	2.1	UN Number	1950
Packaging Exceptions	LTD QTY	Labels required	None
Transport Category	2		

<b>IATA</b>			
Proper Shipping Name	Aerosols, flammable		
Hazard Class	2.1	UN Number	1950
Packaging Exceptions	LTD QTY	Labels required	2.1

## Section XII Regulatory Information

US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200		
U.S. - CERCLA/SARA - Section 313 - Emission Reporting			
2 Butoxyethanol	111-76-2	1.0% de minimis concentration (applies to R-(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> -OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)	
<b>Occupational Safety and Health Administration (OSHA)</b>			
29 CFR 1910.1200 hazardous chemical	Yes		
CERCLA (Superfund) reportable quantity	None		
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>			
Hazard categories	Immediate Hazard - Yes		
	Delayed Hazard - No		
	Fire Hazard - Yes		
	Pressure Hazard - Yes		
	Reactivity Hazard - No		
Section 302 extremely hazardous substance	No		
Section 311 hazardous chemical	Yes		
<b>Inventory Status</b>			
Country(s) or region	Inventory Name	On Inventory (yes/no)*	
China	Inventory of Existing Chemical Substance in China (IECSC)	No	

<b>Inventory Status Continued...</b>		
<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (yes/no)*</b>
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCES)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TCSA) Inventory	Yes
A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).		
<b>State Regulations</b>		
<b>U.S. - Pennsylvania - RTK (Right to Know) List</b>		
2-Butoxyethanol	111-76-2	Present
Ethyl Alcohol	64-17-5	Present
n-Butane	106-97-8	Present

### **Section XVI - Other Information**

Further Information	HMIS® is registered trade and service mark of the NPCA
HMSI® ratings	Health: 1 Flammability: 1 Physical Hazard: 0
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.