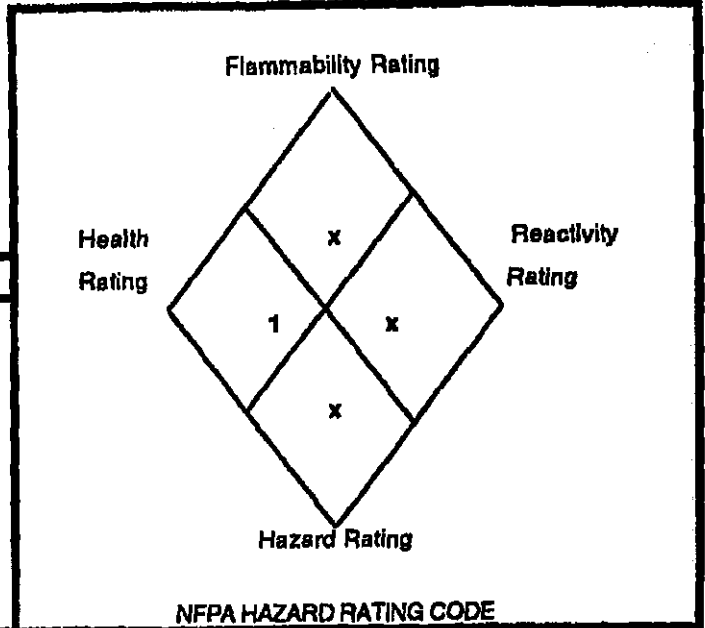


# Grinding Wheel

#266

## MATERIAL SAFETY DATA SHEET

Used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200



**SECTION I - NAME AND PRODUCT**

Flexovit East U.S.A., Inc.  
 154 Potomac Ave., Unit A  
 Tallmadge, Ohio 44278  
 Phone: (800) 321-8800  
 Fax: (888) 321-8800  
 Updated: 5/99  
 Product: All Type 27, 28, 29, and Type 1 wheels including Flexon, Flexcel, and Speedoflex products.

**SECTION II - COMPOSITION**

Ingredient	% By Weight	OSHA Regulate	Gas #	OSHA PEL	ACGIH TLV	Other Limits	Carcinogen
Aluminum Oxide	80 - 80	No	1344-28-1	NA	10mg/m	N/A	No
Silicon Carbide	NA	No	409-21-2	NA	NA	N/A	No
Zirconium Oxide	0 - 12	No	1314-23-4	NA	10mg/m	N/A	No
Calcium Hydroxide	NA	No	N/A	NA	5mg/m	N/A	No
Barium Sulfate	NA	No	N/A	0.5mg/m	10mg/m	N/A	No
Iron Sulfide	NA	No	1317-37-9	NA	NA	N/A	No
Fluorides	NA	No	16984-48-B	2.5mg/m	2.5mg/m	N/A	No
Phenolic Resin	0 - 15	No	9003-35-4	5 P.P.M.	5 P.P.M.	N/A	No
Fiber Glass	0 - 5	No	N/A	15mg/m	10mg/m	N/A	No
Aluminum or Steel	0.1 - 1	No	N/A	NA	NA	N/A	No
Zinc	NA	No	N/A	NA	NA	N/A	No

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point	N/A	Specific Gravity (H2O=1)	2 - 4
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water	Slight	Appearance/Odor	Dark colored solid. May give off some odor in use.

**SECTION IV - FIRE AND EXPLOSION DATA**

Means Of Extinction	Water or carbon dioxide.	Lower And Upper Explosion Limits	N/A
Flammable Limits	N/A	Special Fire Fighting Procedures	None
Flash Point	N/A	Unusual Fire or Explosion Hazards	None

**SECTION V - REACTIVITY DATA**

Stable - Avoid excessive moisture, high relative humidity, temperature extremes and contact with acids or solvents

Not incompatible with any materials

Hazardous Polymerization will not occur

Dust and organic fumes are generated in use. Do not exceed TLVs.

**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry	Signs and Symptoms of Exposure	Emergency and First-Aid procedures
x Dust Inhalation	May cause coughing and shortness of breath during grinding. May affect breathing capacity.	Terminate exposure and remove to fresh air. Obtain medical assistance.
Ingestion	No known adverse effects, but not recommended.	Obtain medical assistance.
Absorption	Not absorbed through skin.	N/A
Skin contact	Grinding wheel may cause abrasions. Dust may cause skin irritation.	Terminate exposure and remove to fresh air. Obtain medical assistance.
Eye	Dust or fumes may cause eye irritation.	Fresh air and medical assistance.
Other	Excessive noise levels may exist in use.	Cease use. Obtain medical assistance.

Medical conditions such as emphysema and asthma may be aggravated during grinding.

**SECTION VII- STORAGE HANDLING AND USE PROCEDURES**

Handling and storage procedures - Avoid damage to wheel. Do not drop. Do not use a wheel that has been damaged or dropped. Avoid excessive temperatures in storage. Always handle in accordance with ANSI B7.1.

Normal clean up procedures should be used if material is released.

Dispose of waste in a sanitary landfill in accordance with state, local and federal regulations.

Always use in accordance with ANSI Z43.1 and OSHA 1910.215. Do not use dropped or damaged wheels. Do not use without machine guard in place. Do not exceed maximum RPM on wheel.

**SECTION VIII- CONTROL MEASURES**

Protection	Requirements and Referrals
Respiratory	OSHA or NIOSH approved respirator if TLV's exceeded. See OSHA 29 CFR 1910.134
Ventilation	Local and mechanical exhaust recommended. See ANSI Z43.1. Refer to OSHA 29 CFR 1910.94.
Protective Gloves	Not required but use if desired.
Eye Protection	Required. Refer to OSHA 29 CFR 1910.133.
Hearing Protection	Required. Refer to OSHA 29 CFR 1910.95.
Other	Apron and/or face shield if desired.
Hygienic Practices	Wash with soap and water after handling and grinding.

**COMPANY USE**

The information and recommendations set forth herein are taken from sources and references believed to be accurate and complete as of the date hereof. However, FlexOvit® U.S.A. Inc. makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.