

DATE: 5/10/87

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

000102

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME:

FLEXOVIT U.S.A., INC.

EMERGENCY TELEPHONE NO.

(716) 549 - 5100

ADDRESS (Number, Street, City, State, and ZIP Code)

1305 Eden-Evans Center Road Angola, New York 14006

CHEMICAL NAME AND SYNONYMS

Resinoid Bonded Abrasive Products

TRADE NAME AND SYNONYMS

Aluminum Oxide(A) or Resin  
Silicon Carbide(C) & Bond(B)

CHEMICAL FAMILY

Phenolic &amp; Oxide and/or Carbide

FORMULA

Al<sub>2</sub>O<sub>3</sub> and/or SiC & Phenolic Resin

## SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	COMMON NAME	GAS #	O.S.H.A. PEL.	ACGIH TLV	CARCINOGEN Y/N	%
Aluminum Oxide	Alumina	1344-28-1	15Mg/M <sup>3</sup>	10Mg/M <sup>3</sup>	N	60 to
and/or Silicon Carbide	Carbide	7440-67-21	15Mg/M <sup>3</sup>	10Mg/M <sup>3</sup>	N	80%
May contain one or more of the following:						
Zirconium Dioxide	Zirconia	409-21-2	5Mg/M <sup>3</sup>	5Mg/M <sup>3</sup>	N	6%
Calcium Oxide	Lime	1305-78-8	5Mg/M <sup>3</sup>	2Mg/M <sup>3</sup>	N	
Barium Sulfate	Barytes	7727-43-7	0.5Mg/M <sup>3</sup>	.5Mg/M <sup>3</sup>	N	to
Iron Sulfide	Pyrites	12068-85-8	2Mg/M <sup>3</sup>	2Mg/M <sup>3</sup>	N	
Fluorides	N/A	N/A	2.5Mg/M <sup>3</sup>	2.5Mg/M <sup>3</sup>	N	12%
Phenolic Resin	Resin Bond	N/A	N/A	N/A	N	10/15%
Fibre Glass	Glass Cloth	N/A	N/A	N/A	N	5%
Aluminum	Arbor Rings	N/A	N/A	N/A	N	.1/1%
Zinc	Adaptors	N/A	N/A	N/A	N	N/A

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	N/A
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Slight		N/A
APPEARANCE AND ODOR	Solid - Dark colored - may give off some odor in use		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	N/A	Lel	Uel
EXTINGUISHING MEDIA	Water or CO <sub>2</sub>				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	10Mg/M <sup>3</sup> AL <sub>2</sub> O <sub>3</sub> Or SIC
EFFECTS OF OVEREXPOSURE	
Inhalation while grinding can cause coughing or shortness of breath	
Dust may irritate eyes or skin. Excessive noise levels may exist.	
EMERGENCY AND FIRST AID PROCEDURES	
Inhalation-Remove to fresh air. Noise-See OSHA 29CFR1910.95	
Eyes-Flush with large amounts of water.	
Skin-Wash with soap & water-obtain medical assistance	

SECTION VI - REACTIVITY DATA N/A			
STABILITY	UNSTABLE		CONDITIONS TO AVOID Acids, Solvents, Extreme heat or cold
	STABLE	X	Excessive moisture or humidity
INCOMPATIBILITY (Materials to avoid) N/A			
HAZARDOUS DECOMPOSITION PRODUCTS			
Dust and organic fumes are generated in use-Do not exceed TLV's			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID N/A
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Normal clean-up procedures	
WASTE DISPOSAL METHOD	
Dispose of in a sanitary landfill in accordance with local, state and federal regulations.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type)		
MSHA or NIOSH approved respirator if TLV's exceeded. See OSHA 29CFR 1910.134		
VENTILATION	LOCAL EXHAUST Recommended-See ANSI Z43.1	SPECIAL See OSHA 29CFR 1910.94
	MECHANICAL (General) Recommended-See ANSI Z43.1	OTHER See OSHA 29CFR 1910.94
PROTECTIVE GLOVES Not required - Use if desired	EYE PROTECTION Required-See OSHA 29CFR 1910.133	
OTHER PROTECTIVE EQUIPMENT		
Apron and/or face shield if desired. Hearing-See OSHA 29CFR 1910.95		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Avoid damage-Do not drop. Store in a safe, dry location.	
Always handle in accordance with ANSI B7.1	
OTHER PRECAUTIONS	
Always use in accordance with ANSI Z43.1 and OSHA 29CFR 1910.215.	
Do not use dropped or damaged wheels. Do not use without machine guard in place. Do not exceed maximum RPM on wheel.	

FLEX-0-VIT

MAY. 16, 1988

FAM GP	PART NUMBER	DESCRIPTION	CLASS	BUYER	LD/TME	MIN. QTY.	VALUE
W4A	2013459102	DEP CENTR WHL	902	060	13	0	0.7200
W4A	2013459104	DEP CENTR WHL	902	060	13	0	0.8000
W4A	2013459105	DEP CENTR WHL	902	060	13	500	0.6500
W4A	2031509601	SP 40277 GR WHL	S49	062	10	0	1.9400
W4A	2031509602	SP 40278 GR WHL	S49	062	10	0	1.9100
W4A	2044938300	4"DEP WHEEL	902	060	13	0	0.8000
W4A	2044938301	4"DEP WHEEL	902	060	13	500	0.8000
W4A	2044938302	4"DEP WHEEL	902	060	13	0	0.6500
W4A	2044973510	SP 37104 GR WHL	P70	062	10	0	0.8000
W4A	2044973512	SP 37106 GR WHL	P70	062	10	0	0.6500
W4A	2044973513	SP 37111 GR WHL	P70	062	10	0	1.0600
W4A	2044973514	SP 37114 GR WHL	P70	062	10	0	1.6300
W4A	2044973515	SP 52524 GR WHL	P70	062	10	0	1.1300
W4A	2044973518	SP 37126 GR WHL	P70	062	10	0	0.9200
W4A	2044973519	SP 37127 GR WHL	P70	062	10	0	0.9200
W4A	2044973520	SP 37128 GR WHL	P70	062	10	0	0.7600
W4A	2044973521	SP 37129 GR WHL	P70	062	10	500	0.7600
W4A	2044973522	SP 37140 GR WHL	P70	062	12	0	1.6300
W4A	2044973523	SP 37141 GR WHL	P70	062	10	0	1.5600
W4A	2044973524	SP 37142 GR WHL	P70	062	10	0	2.1300
W4A	2044973525	SP 37143 GR WHL	P70	062	10	0	1.9000
W4A	2044973535	SP 40276 GR WHL	P70	062	10	0	1.8700

TOTAL PARTS IN FAMILY= 22