

Material Safety Data Sheet | |

Date of issue: | Revision Date: 11/1/2011 | Revision Number:

Imperial Supplies Part Number: 0721560

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

Flexovit USA Inc.

1305 Eden-Evans Center Rd.

Angola, NY 14006

Telephone: 800-777-6225

Fax: 800-690-0144

Emergency Phone

Product Name: All Type 27, 28, 29, and Type 1 wheels

Product Code(s):

Recommended Use:

UN-Number:

Product Type:

2. HAZARDS IDENTIFICATION

Appearance: Dark colored solid.	Physical State:	Odor: May give off some odor in use.
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Potential Health Effects

Principle Routes of Exposure: Route(s) of Entry: Dust Inhalation, Ingestion, Absorption, Skin Contact, Eye, Other

Acute Effects:

Eyes	Dust or fumes may cause eye irritation.
Skin	Grinding wheel may cause abrasions. Dust may cause skin irritation.
Inhalation	May cause coughing and shortness of breathe during grinding. May affect breathing capacity.
Ingestion	No known adverse effects, but not recommended.

Notes: Other: Excessive noise levels may exist in use.

Chronic Effects:

Eyes	
Skin	
Inhalation	
Ingestion	

Notes:

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

Environmental Hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Ingredient Name	CAS-No	Weight%	ACGIH, TLV-TWA	OSHA-PE L	Other
Aluminum Oxide	1344-28-1	60 - 80	10mg/m	NA	N/A
Silicon Carbide	409-21-2	N/A	NA	NA	N/A
Zirconium Oxide	1314-23-4	0 - 12	10mg/m	NA	N/A
Calcium Hydroxide	N/A	N/A	5mg/m	NA	N/A
Barium Sulfate	N/A	N/A	10mg/m	0.5mg/m	N/A
Iron Sulfide	1317-37-9	N/A	NA	NA	N/A
Florides	16984-48-8	N/A	2.5mg/m	2.5mg/m	N/A
Phenolic Resin	9003-35-4	0 - 15	5 P.P.M.	5 P.P.M.	N/A

Fiber Glass	N/A	0 - 5	10mg/m	15mg/m	N/A
Aluminum or Steel	N/A	0.1 - 1	NA	NA	N/A
Zinc	N/A	NA	NA	NA	N/A
Notes					

4. FIRST AID MEASURES

General Advice

Eyes	Fresh air and medical assistance.
Skin	Terminate exposure and remove to fresh air. Obtain medical assistance.
Inhalation	Terminate exposure and remove to fresh air. Obtain medical assistance.
Ingestion	Obtain medical assistance.
Notes to Physician	
Protection of First-aiders	
Notes	Other: Cease use. Obtain medical assistance.

5. FIRE-FIGHTING MEASURES

Flammability/Flammable properties	N/A
Flash point	N/A
Recommended Extinguishing Media	
Special Fire-Fighting Procedures	None.
Explosion Data	N/A
Sensitivity to Mechanical Impact	
Sensitivity to Static Discharge	
Specific Hazards from Chemical	
Protective Equipment	

NFPA	Health Hazard: 1	Flammability: x	Instability: x	Physical Hazard: x
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HMIS	Health Hazard:	Flammability:	Physical Hazard:	PPE:
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Environmental Precautions

Methods for Containment

Methods for Cleaning Up: Normal clean up procedures should be used if material is released.

Notes

7. HANDLING AND STORAGE

Handling: Always handle in accordance with ANSI B7.1.

Storage: Avoid damage to wheel. Do not drop. Do not use a wheel that has been damaged or dropped. Avoid excessive temperatures in storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	OTHER
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Engineering Measures

Personal Protective Equipment: Requirements and Referrals

Eyes/Face Protection	Required. Refer to OSHA 29 CFR 1910.133.
Skin and Body Protection	Protective Gloves: Not required but use if desired. Hearing Protection: Required. Refer to OSHA 29 CFR 1910.95. Other: Apron and/or face shield if desired.
Respiratory Protection	OSHA or NIOSH approved respirator if TLV's exceeded. See OSHA 29 CFR 1910.134.
Ventilation/Other	Local and mechanical exhaust recommended. See ANSI Z43.1. Refer to OSHA 29 CFR 1910.94.

Hygiene Measures: Wash with soap and water after handling and grinding.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark colored solid.	Odor	May give off some odor in use.
Odor Threshold		Physical State	
Color		Viscosity	
pH		Percent Volatile, wt. %	
Flash Point	N/A	Auto-ignition Temperature	
Decomposition Temp		Boiling Point/ Range	N/A
Melting Point/Range	N/A	Freezing Point	
Flammability		Explosion Limits	N/A
Specific Gravity	(H2O=1) 2 - 4	Water Solubility	Slight
Solubility		Evaporation Rate	N/A
Vapor Pressure	N/A	Vapor Density	(AIR=1) N/A
VOC content, wt. %			

Notes

10. STABILITY AND REACTIVITY

Chemical Stability	Avoid excessive moisture, high relative humidity, temperature extremes and contact with acids or solvents.
Incompatible Products	Not incompatible with any materials.
Conditions to avoid	
Hazardous Decomposition Products	
Hazardous Polymerization	Hazardous Polymerization will not occur.

Notes: Dust and organic fumes are generated in use. Do not exceed TLV's.

11. TOXICOLOGY INFORMATION

Acute Toxicity

Product Information	
Inhalation	
Eye Contact	
Skin Contact	
Ingestion	

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation

Chronic Toxicity|

Chemical Name	ACGIH	IARC	NTP	OSHA

Target Organ Effects

12. ECOLOGICAL INFORMATION

Ecotoxicity

The Environmental impact of this product has been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Tox, to Microorganisms	Daphnia Magna (water flea)

Notes

13. DISPOSAL CONSIDERATIONS

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

Contaminated Packaging

US EPA Waste number

Notes

14. TRANSPORTATION INFORMATION

DOT

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	
Emergency Response	
Guide Number	

TDG

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	

MEX

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	

ICAO

UN-Number	
Proper Shipping name	
Hazard Class	

Packing Group
Description

IATA
UN-Number
Proper Shipping name
Hazard Class
Packing Group
ERG Code
Description

IMDG/IMO
UN-Number
Proper Shipping name
Hazard Class
Packing Group
EmS No.
Description

RID
UN-Number
Proper Shipping
name
Hazard Class
Packing Group
Classification Code
Description
ADR/RID-Labels

ADR
UN-Number
Proper Shipping
name
Hazard Class
Packing Group
Classification Code
Description
ADR/RID-Labels

ADN
UN-Number
Proper Shipping name
Hazard Class
Packing Group
Classification Code
Special Provisions
Description
Hazard Labels
Limited Quantity

15. REGULATORY INFORMATION

International Inventories
TSCA
DSL
EINECS
ENCS
IECSC
PICCS
AICS

U.S. Federal Regulations
SARA 313
SARA 311/312 Hazard Categories
Acute Health Hazard
Chronic Health Hazard

Fire Hazard
Sudden Release of Pressure Hazard
Reactive Hazard

Clean Water Act

CERCLA

U.S. State Regulations

U.S. State Right-to-Know Regulations

International Regulations

Canada

16. OTHER INFORMATION

Prepared By:
Revision Date: 11/1/2011
Company: Flexovit USA Inc.
Revision number
Telephone number: 800-777-6225

Notes

Other Information

Disclaimer information: 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 USA 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.

END OF MATERIAL SAFETY DATA SHEET