

Safety Data Sheet

Section 1: Product Identification

Trade Name: Echocel®
C.A.S. #: N/A
Company Name: Acor Orthopaedic, LLC
Street Address: 18530 South Miles Parkway
City, State and Zip Code: Cleveland, OH 44128
Telephone number: 800-237-2267
Emergency Telephone Number: 216-662-4500

Section 2: Hazard Identification

According to OSHA 29 CFR 1910.1200 HCS

Classification of the Material: N/A
Labeling Requirements: N/A
Effects of Overexposure: None with normal handling. Cutting and other finishing operations may create dust. Proper ventilation and PPE should be used.
Inhalation: Inhaling dust may cause respiratory irritation. Remove to fresh air and seek medical attention if necessary.
Eye Contact: Dust may cause eye irritation. Rinse eyes with water and seek medical attention if necessary.
Skin Contact: Dust may cause irritation. Wash with soap and water.
Ingestion: No known hazards.
Chronic: IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests in laboratory animals.

Other Information



Section 3: Composition/Information on Ingredients

This material defined as an “article” in 20 CFR 1910.1200 and Regulation (EC) N° 1907/2006 and Therefore exempt from the Hazard Communication Standard and REACH.

Chemical Name	% by Wt.
Polyurethane Polymer	99-100 %

Section 4: First-Aid Measures

Description of first-aid measures

Inhalation:	Move victim to fresh air. Seek medical attention if condition does not improve.
Eye Contact:	Flush eyes with large amounts of water for 15 to 20 minutes. Seek medical attention if condition does not improve.
Skin Contact:	Remove contamination clothing and flush with water for 15 to 20 minutes. Seek medical attention if condition does not improve.
Ingestion:	N/A

Section 5: Fire-Fighting Measures

Flash Point:	N/A
Autoignition Temperature:	N/A
Flammability Limits (LEL):	N/A
Flammability Limits (UEL):	N/A
Extinguishing Media:	Water, regular foam, carbon dioxide, dry chemical
Special Fire-Fighting Procedures:	Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatuses.
Unusual Fire and Explosion Hazards:	Polyurethane materials may generate dense smoke in a fire.

Section 6: Accidental Release Measures

Personal Precautions:	None needed.
Environmental Precautions:	None needed.
Cleaning Methods:	Sweep dust into appropriate container for disposal. Avoid creation of nuisance dust.

Section 7: Handling and Storage

Handling:	Cutting operations should have proper ventilation to prevent exposure to dust. Hot wire cutting operations should be exhausted to prevent exposure to irritating fumes. Wear suitable PPE.
Storage:	Keep in a cool, ventilated area.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection:	None needed under normal use.
<u>Ventilation</u>	
Local:	Recommended for use in cutting/finishing operations and hot wire cutting operations.
General:	Recommended for all industrial operations.
<u>Personal Protection</u>	
Hands:	Gloves to avoid skin contact if desired.
Eyes:	Safety glasses with side shields are recommended for industrial operations.
Skin:	N/A
Other:	Safety showers/eye wash areas if desired.

Section 9: Physical and Chemical Properties

Appearance:	Varies
Odor:	Slight
Physical State:	Solid
Boiling Point (°C):	N/A
Melting Point (°C):	N/A
Freezing Point (°C):	N/A
Flash Point (°C):	N/A
Water Solubility:	None

Vapor Density:	N/A
Vapor Pressure:	N/A
Specific Gravity:	0.08 – 0.5
Partition Coefficient:	N/A
Evaporation Rate:	N/A
Relative Density:	N/A
Viscosity:	N/A
Auto-Ignition Temperature (°C):	N/A
Decomposition Temperature (°C):	N/A
pH:	N/A
Flammability:	N/A

Section 10: Stability and Reactivity

Reactivity:	This product is stable under normal conditions of use.
Chemical Stability:	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	High temperatures, sparks, open flames.
Incompatible Materials:	None known.
Hazardous Decomposition products:	CO, CO ₂ , Oxides of nitrogen, HCN, and traces of incompletely burned carbon compounds.

Section 11: Toxicological Information

Reactivity:	IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.
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Section 12: Ecological Information

Ecotoxicity:	Material data lacking.
Persistence and Degradability:	Material data lacking.
Bioaccumulative Potential:	Material data lacking.
Mobility in Soil:	Material data lacking.
Other Adverse Effects:	Material data lacking.
Other information:	No data is available on the adverse effects of this material on the environment.

Section 13: Disposal Consideration

Product Waste:	Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
Packaging Waste:	Dispose of content and/or container in accordance with local, regional, national and/or international regulations.

Section 14: Transport Information

UN Number:	Not regulated
UN Proper Shipping Name:	Not regulated
Hazard Class (ES):	Not regulated
Packing Group:	Not regulated
Environmental Hazards:	Not regulated

Section 15: Regulatory Information

Canadian (DSL/NDSL):	N/A
China (SEPA):	Article - exempt
REACH Directive:	Material is classified as an Article.
EU Directive 2011/65/EC (RoHS):	Does not contain any intentionally added substances mentioned by the RoHS directive.
European Symbol:	Not classified according to directive 1999/45/EC & 2001/60/EC (dangerous preparations)
R-Phrases:	N/A
S-Phrases:	N/A
TSCA (Toxic Substance Control Act):	All materials are listed or exempt from TSCA listing.
Sara Title III:	N/A
311/312 Hazard Categories:	N/A

This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

Section 16: Other Information

N/A = Not Applicable

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