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18530 S. Miles Pkwy., Cleveland, OH 44128
(216)662-4500 (216)662-4547 FAX www.acor.com

Safety Data Sheet (SDS)

Acor® Impression Foam

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTITY: Impression Foam
DATE PREPARED: 07/01/2019
SYNONYMS, CHEMICAL NAMES, COMMON NAMES:
None
USE: Castings and impressions

DISTRIBUTED BY Acor Orthopaedic, Inc.
ADDRESS 18530 South Miles Parkway
Cleveland, OH 44128
TELEPHONE NUMBER 216-662-4500
800-237-2267

SECTION 2 - HAZARDS IDENTIFICATION

PRIMARY ROUTE(s) OF EXPOSURE:

Contact and inhalation of dust.

IRRITATION DATA:

May cause irritation to eyes and respiratory tract.

INHALATION:

ACUTE: Dust or fumes may cause irritation to the nasal passages, lacrimation, olfactory changes, and pulmonary changes.

CHRONIC: None known.

SKIN CONTACT:

ACUTE: May cause irritation.

CHRONIC: May cause dermatitis.

EYE CONTACT:

ACUTE: Contact may be irritating.

CHRONIC: May cause conjunctivitis.

INGESTION:

ACUTE: May cause mouth irritation due to local pH effect.

CHRONIC: Prolonged exposure may cause symptoms similar to acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known.



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SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS#	%
Acid catalysts	Proprietary	8-12 %
Barium sulfate	7727-43-7	1.5-3 %
Heptane	142-82-5	< 1.5 %
Formaldehyde	50-00-0	< 0.1 %
Other components are non-hazardous or hazardous components are present at less than 1 % (0.1 % for carcinogens.)		

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure to fresh air. If breathing has stopped, give artificial respiration.
Oxygen may be given if breathing is difficult. Get medical attention.

SKIN CONTACT: Wash affected area with soap and water until no evidence of the material remains. Get medical attention if irritation develops.

EYE CONTACT: Flush thoroughly with water for at least 15 minutes, occasionally lifting the upper and lower lids, until no evidence of the material remains. Get medical attention if irritation develops. If wearing contact lens, remove immediately and flush eyes as above.

INGESTION: Do not induce vomiting. Treat symptomatically and supportively. If a large quantity is ingested, get medical attention since there could be a problem with physical blockage.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT

FLAMMABLE LIMITS: Not applicable

LEL: Not applicable

UEL: Not applicable

AUTOIGNITION TEMPERATURE: (+/_) 600°F.

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing smoke. Firefighters should wear full protective NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Finished foam will support combustion if it is ignited by direct contact with an open flame or exposed to temperatures in the range of 600°F. If foam is placed in a microwave for an extended period, it will begin to



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burn. Combustion occurs at the center of the brick and due to the insulating effect of the foam, can proceed unnoticed until an appreciable heat buildup occurs.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment. Reclaim or place in suitable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Store in a cool, dry well ventilated area, out of direct sunlight. Foam stored in stagnant or hot enclosures may result in off gassing of residual formaldehyde gas.

Wash thoroughly after handling. Observe good personal and industrial hygiene procedures.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION:

A dust mask is recommended if dust is excessive. Where airborne concentrations may exceed guidelines for permissible air concentrations, choose a respirator in accordance with OSHA Respirator Standard 29 CFR 1910.134.

VENTILATION:

Use general dilution ventilation to maintain exposure below the exposure limits.

PROTECTIVE GLOVES:

Use barrier cream or choose appropriate gloves in accordance with OSHA Personal Protective Equipment Standard 29 CFR 1910.132.

EYE PROTECTION:

Safety glasses are recommended or choose in accordance with OSHA 29 CFR 1910.133.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not normally required.

RECOMMENDED EXPOSURE LIMITS:

OSHA and ACGIH have not set exposure limits for this material. See Section 2 for exposure limits of components and particulate matter.

COMPONENTS	OSHA PEL	ACGIH TLV
Formaldehyde	0.75 ppm PEL 2.0 ppm STEL	0.3 ppm Ceiling
Barium sulfate	15 mg/m TWA as Ba (Total dust) 5 mg/m TWA as Ba (Respirable fraction)	<3 %
Heptane	500 ppm	400 ppm PEL 400 ppm STEL



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	Not applicable	SPECIFIC GRAVITY	Not available
pH	3.0 in 5% slurry	MELTING POINT	Not available
VAPOR PRESSURE (mm Hg)	Not applicable	SOFTENING POINT	Not available
VAPOR DENSITY (Air = 1)	Not applicable	EVAPORATION RATE	Not applicable
SOLUBILITY	Not soluble.		
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not applicable.		
APPEARANCE AND ODOR:	Fine-celled thermoset green phenolic plastic foam.		

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	Unstable		Conditions to Avoid Stable at normal room temperature.
	Stable	X	
INCOMPATIBILITY (Materials to Avoid)			
Normally unreactive.			
HAZARDOUS DECOMPOSITION PRODUCTS Smoke, oxides of carbon, and possible trace amounts of formaldehyde, phenol, cresols, xylenols, and sulfur dioxide.			
HAZARDOUS POLYMERIZATION	May Occur		Conditions to Avoid None known.
	Will Not Occur	X	

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity studies on a similar compound indicate that the Oral LD50 (rat): >5000 mg/kg.
Primary Dermal Irritation Study in Albino Rabbits on a similar compound: Non irritant

Carcinogenicity: This product may contain trace levels of formaldehyde (<0.1%) as an impurity.
Tumorigenic data (RTECS): Formaldehyde; barium sulfate.
Reproductive data (RTECS): Formaldehyde.
Mutagenic data (RTECS): Formaldehyde; barium sulfate
Teratology data: Formaldehyde

SECTION 12 - ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects. It is a thermoset plastic and is not biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS



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Dispose in accordance with all applicable federal, state, and local environmental regulations. Recycling is recommended. It can be cut up and used as a soil filler.

If discarded in its original form, material is not regulated by Resource Conservation and Recovery Act (RCRA) as a hazardous waste. Passes TCLP test requirements.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME Not regulated
DOT CLASSIFICATION Not applicable
DOT UN/NA Material is not a DOT Marine Pollutant.
Not applicable

OSHA: This material may
be classified as
hazardous under
OSHA regulations.
See 29 CFR
1910.1048 for the
OSHA
Formaldehyde
Standard.

TSCA: All components are listed or
exempt from listing on the TSCA 8(b) inventory.

SARA Title III - Toxic chemicals list 40 CFR 372.65

Copper phthalocyanine CAS# 147-14-8 1-2 %

Barium sulfate is exempt from reporting under the category barium compounds (59FR33208).

SARA HAZARD CATEGORIES:

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Reactive Hazard	Sudden Release of Pressure
Yes	No	No	No	No

CERCLA Toxic Chemicals List 40 CFR 302:

Formaldehyde RQ: 100#

A spill in excess of 150,000 pounds would require reporting to the National Response Center based on the maximum residual content of formaldehyde in the foam.



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SECTION 16 – OTHER INFORMATION

HMIS Ratings:

Health 1

Flammability 1

Reactivity 0