

# SAFETY DATA SHEET

## 1. IDENTIFICATION

### TECHNOVIT POWDER

For treatment and repair of livestock hooves.

Product Codes: J-61PB,J-61PA

Jorgensen Laboratories

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## 2. HAZARD(S) IDENTIFICATION...

### For Polymers:

Eyes:

OSHA classifies this material as particulates, not otherwise classified.

May be irritated by gross overexposure, no Matter how generated. Keep dust out of eyes.

Skin:

May be irritated by gross overexposure, no Matter how generated. May cause dryness.

Respiratory tract:

May be irritated by gross overexposure, no Matter how generated.

### For Calcium Carbonate:

Eyes:

May cause mild irritation including watering.

Respiratory tract:

Can be irritating, with symptoms including sneezing and nasal irritation.

Ingestion:

If the quantity is large, it may cause intestinal obstruction and/or constipation.

### For Benzoyl Peroxide:

Acute hazards:

Eyes:

May cause severe irritation or damage.

Skin:

Non-irritating, although allergies have been noted in humans and guinea pigs.

Inhalation:

May cause irritation of nose, throat and lungs.

Ingestion:

Considered to be non-toxic. May produce muscular weakness.

Chronic hazards: Skin:

Non-irritating. Prolonged and/or repeated skin contact may cause irritation, defatting, dermatitis and sensitization. Repeated application with a known carcinogen has enhanced skin tumors in mice.

Ingestion:

Long term dietary administration showed increased testicular atrophy in rats.

### CARCINOGENICITY:

Ethyl Acrylate is listed as a suspected human Carcinogen by IARC, NTP, and ACGIH based on animal studies. NIOSH lists Ethyl Acrylate as a carcinogen without comment. IARC lists Benzoyl Peroxide as not classifiable as to carcinogenicity to humans. Calcium Carbonate contains crystalline silica as a minor impurity. Crystalline silica is listed by IARC as a pulmonary carcinogen in humans. None of the other components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

### PRIMARY ROUTES OF ENTRY:

Inhalation, Skin or Eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

	CAS NUMBER	%
Poly(methyl methacrylate/ethyl Acrylate)	9010-88-2	>74.5
Ethyl Acrylate	140-88-5	< .37
Calcium Carbonate	1317-65-3	13.7
Benzoyl Peroxide	94-36-0	3.04

C9-11 branched Alkyl Benzoate	131298-44-7	3.23
Water	7732-18-5	.91
Silicon Dioxide	68909-20-6	.19
Zinc Stearate	557-05-1	.114
Black Iron Oxide	1309-38-2	.096

#### 4. FIRST AID MEASURES

##### EMERGENCY AND FIRST AID PROCEDURES:

<b>EYES:</b>	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
<b>INGESTION:</b>	Rinse mouth out with water. Call doctor if amount was large.
<b>INHALATION:</b>	Remove to fresh air. Get medical help if discomfort persists.
<b>SKIN:</b>	Wash with soap and water. Get medical help if discomfort persists.
<b>CLOTHING:</b>	Remove contaminated clothing. Wash thoroughly before reuse.
<b>TREATMENT:</b>	Treat symptoms conventionally, after thorough decontamination.

#### 5. FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	304 C, 580 F
<b>EXTINGUISHER METHOD:</b>	Water, Carbon Dioxide, dry chemical.
<b>FIRE AND EXPLOSION HAZARDS:</b>	Polymer dust is combustible. The Explosive limits of the polymer Particles suspended in air are Approximately those of coal dust.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into the air.
<b>SENSITIVE TO STATIC DISCHARGE:</b>	Yes.

#### 6. ACCIDENTAL RELEASE MEASURES

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

#### 7. HANDLING AND STORAGE

<b>PRECAUTIONS FOR HANDLING:</b>	Use in well ventilated areas. Avoid Contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping.
<b>PRECAUTIONS FOR STORAGE:</b>	Store in cool dry place away from incompatible materials. Keep container tightly closed.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	<i>Wash face and hands thoroughly with water after use and before eating, drinking, smoking or applying cosmetics.</i>

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>VENTILATION:</b>	Use in open area or with good ventilation.
<b>RESPIRATORY PROTECTION:</b>	Use type for particulates not otherwise classified, if needed.
<b>EYE PROTECTION:</b>	Safety glasses.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fine gray powder.  
ODOR: Faint odor in bulk.  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.25  
SOLUBILITY IN WATER: Insoluble

## 10. STABILITY AND REACTIVITY

INCOMPATIBILITY(Avoid): Strong oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Methacrylate Monomer and Oxides of Carbon when burned.  
HAZARDOUS POLYMERIZATION: Will not occur  
STABILITY: Stable

## 11. TOXICOLOGICAL PROPERTIES

### TARGET ORGANS

For Polymer: None listed.  
For Calcium Carbonate: None listed.  
For Benzoyl Peroxide: Skin and Eyes.

### SENSITIVITY DATA:

For Benzoyl Peroxide:  
Eyes Rabbit: Severely irritating.  
Skin Rabbit: Non-irritating/4H.

### MUTAGENICITY DATA:

For Polymer: None listed.  
For Benzoyl Peroxide:  
Human Cell Types DNA Damage: 100 u mol/L.  
Mouse Cell Types DNA Damage: 1 u mol/L.  
Human Cell Types DNA Inhibition: 56 u mol/L.  
Rat Liver Unscheduled DNA Synthesis: 100 p mol/L.  
Human Cell Types Test Systems Other: 56 u mol/L.

### REPRODUCTIVE TOXICITY DATA:

For Polymer: None listed.

### TUMOROGENIC DATA:

For Polymer: None listed.  
For Benzoyl Peroxide:  
Skin Mouse TD<sub>01</sub>: 24 gm/kg/30W.

### TOXICITY DATA:

For Polymer: None listed.  
For Limestone: None listed.  
For Benzoyl Peroxide:  
Inhalation Rat LC<sub>50</sub>: 24.3 mg/L/4hr.  
Intraperitoneal Mouse LD<sub>01</sub>: 250 mg/kg.  
Oral Rat LD<sub>50</sub>: 7710 mg/kg.

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in a landfill.

## 14. TRANSPORTATION

DOT/UN shipping name: Synthetic Gum Resin Granular, Noibn

## 16. OTHER INFORMATION

**Issue Date: April 2, 2015**

**Reason for revision: Updated to comply with Revised Hazard Communication Standard (HCS)**

**By Dale Peterson, Chemist**

### **Disclaimer**

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