

SAFETY DATA SHEET

1. IDENTIFICATION

TECHNOVIT POWDER

For treatment and repair of livestock hooves.

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

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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:

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

5. FIRE FIGHTING MEASURES

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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:	Use in open area or with good ventilation.
RESPIRATORY PROTECTION:	Use type for particulates not otherwise classified, if needed.
EYE PROTECTION:	Safety glasses.
INDUSTRIAL HYGIENE PRACTICES:	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 (H₂O=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 TD₀₁: 24 gm/kg/30W.

TOXICITY DATA:

For Polymer: None listed.
For Limestone: None listed.
For Benzoyl Peroxide:
Inhalation Rat LC₅₀: 24.3 mg/L/4hr.
Intraperitoneal Mouse LD₀₁: 250 mg/kg.
Oral Rat LD₅₀: 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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