

MATERIAL SAFETY DATA SHEET

Eriez Magnetics
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May be used to comply with
OSHA'S Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: PolyMag® Black Pellet
PRODUCT PART NUMBER: 135637

SECTION II - INGREDIENTS

<u>Material</u>	<u>CAS #</u>	<u>Percent</u>	<u>OSHA PEL mg/m³</u>	<u>ACGIH TLV mg/m³</u>
Iron Oxide (Fe ₃ O ₄)	1309-38-2	50 min	0 (dust)	5.0 (fume)
Waxes (proprietary)	NA	35 – 40	NE	NE
Mineral Filler	NA	10 – 15	NE	NE

This compound contains no ingredients defined as hazardous under OSHA CFR 29, 1910.1200. Although it may contain chemical categories listed in Section 313 of SARA Title III, this product is defined as an article that does not release a covered toxic chemical to the environment under normal processing conditions or use.

SECTION III – PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: NA
VAPOR PRESSURE (mm Hg).....: NA
VAPOR DENSITY (Air = 1).....: NA
SOLUBILITY IN WATER.....: N/A
BULK DENSITY (Pure Water = 62.4).....: 62 lbs/ft³ +/- 3
MELTING POINT.....: 285 °F +/- 5 °F
SOFTENING POINT.....: 200 °F +/- 5 °F
EVAPORATION RATE (Butyl Acetate = 1).....: NA
ODOR: None

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT.....: NA
COMBUSTION.....: Greater than 200° F
EXTINGUISHING MEDIA.....: Foam, CO2, Dry Chemical, Water Fog

UNUSUAL FIRE & EXPLOSION HAZARDS: Avoid dust formation and control ignition sources. The product can form an explosive dust/air mixture. Product may burn or smolder if ignited. May produce toxic thermal decomposition products including carbon monoxide, carbon dioxide, nitrogen oxides, metal oxides and other hazardous compounds.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full fire protective clothing. Use self-contained breathing apparatus. Evacuate personnel from area. Remove containers from fire if possible.

SECTION V - REACTIVITY DATA

STABILITY: UNSTABLE [] STABLE [X]

CONDITIONS TO AVOID: Avoid creating dusty conditions and exposure to open flames

INCOMPATIBILITY DECOMPOSITION OR BY- PRODUCTS: None expected. Possible Incompatibility with strong oxidizing agents, strong acids, and strong bases.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

HIMS RATING: Health – 1, Fire – 1, Reactivity - 0

ROUTE (S) OF ENTRY: INHALATION [X] SKIN [X] INGESTION [X]

HEALTH HAZARDS (ACUTE & CHRONIC): Ingestion could be harmful. Eye contact could be harmful. Skin contact could be harmful. Inhalation could be harmful.

CARCINOGENICITY – The substances in the product do not require regulatory monitoring/reporting under SARA 313; NPRI; Clean Air Act, Hazardous Air Pollutants 112 (b); OSHA PEL's; ACGIH TLV's; NTP; IARC; or OSHA Suspect Carcinogens. This product does not contain a known carcinogen.

SIGNS AND SYSTEMS OF EXPOSURE:

EYE CONTACT: Fumes and gases released during heating and decomposition of product may produce irritation and tearing. Contact could produce some mechanical irritation.

SKIN CONTACT: Chronic exposure to dust may product primary irritation or allergic reaction and dermatitis.

INHALATION: Thermal decomposition products may produce nasal irritation and irritation to the upper respiratory tract. High concentrations may produce fluid in the lungs.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None expected under normal conditions. Exposure to dust, fumes, gases or vapors may aggravate pre-existing pulmonary diseases and allergies.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT (DUST): Immediately flush with large amounts of water for at least 15 minutes, holding eyelids open to rinse completely. Get medical help as a precaution.

SKIN CONTACT: Wash with soap and water. Wash all work clothes before wearing again. If any redness, swelling, itching or pain of the skin starts, seek medical attention.

INHALATION OF GASES, FUMES OR VAPORS: Remove to fresh air at once. Get medical attention if irritation develops, or if breathing becomes difficult.

SECTION VII - SAFE HANDLING AND CONTROL MEASURES:

DO NOT DRY THIS PRODUCT

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spillage. Sweep or scoop spilled material and discard in a proper waste container. This material can form slippery surfaces on floors. Dispose of in accordance with federal, state and local regulations.

WASTE DISPOSAL METHOD: Federal, State and local disposal laws and regulations will determine the proper disposal procedures. If possible, incinerate material at an approved facility.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use normal safe handling and good housekeeping practices when processing, storing or transporting this type of product. Keep containers closed.

OTHER PRECAUTIONS: Always have adequate ventilation. Keep containers closed when not in use. Store under clean, dry conditions. Avoid formation of dust. Use good hygiene practices.

RESPIRATOR PROTECTION: Wear NIOSH/MSHA approved respirators if there is a potential for exposure to dust above exposure limits for individual components of the powder and the additive effects of the components. Use NIOSH respiratory protection guidelines to select proper respiratory protection.

ENGINEERING CONTROL & VENTILATION: Where feasible, enclose processes to prevent dust dispersion into the work area. Provide local exhaust when possible, and general ventilation as necessary, to keep airborne concentrations below exposure limits and as low as possible.

SKIN PROTECTION: Use impervious gloves such as neoprene, nitrile or rubber for hand protection.

EYE PROTECTION: Wear safety glasses with side shields and /or goggles as necessary to prevent dust from entering eyes.

OTHER PROTECTIONS: Use adequate work clothing and shoes to minimize the physical hazards associated with handling this material. Wash hands thoroughly after handling this material and before eating, drinking or smoking. Eye wash stations should be available to flush eyes if necessary.

PREPARED BY: John Collins
MSDS DATE: 4/25/07
REVISION: 7
SUPERSEDES DATE: 1/10/07
REASON FOR REVISION: Bulk density

USER RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.