

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: PolyMag Black HSCP Pellet

PRODUCT PART NUMBER: 135814

COMPANY IDENTIFICATION (USA):

Eriez Magnetics  
2200 Asbury Road  
PO Box 10608  
Erie, PA 16514-0608

COMPANY IDENTIFICATION (EUROPE):

Eriez Magnetics Europe Ltd.  
Bedwas House Industrial Estate  
Bedwas, Caerphilly CF83 8YG UK

Information Phone in USA: 814-835-6000

Information Phone in Europe: 44-29-208-68501

Emergency Phone in USA: 814-835-6000

Emergency Phone in Europe: 44-29-208-68501

## SECTION 2 - COMPOSITION & INGREDIENT INFORMATION

<u>MATERIAL</u>	<u>CAS #</u>	<u>Percent</u>	<u>OSHA PEL mg/m<sup>3</sup></u>	<u>ACGIH TLV mg/m<sup>3</sup></u>
Iron Oxide	1309-38-2	~ 70	0 (dust)	5.0 (fume)
Ethylene Ethyl Acrylate	9010-86-0	~ 30	NE	NE

## SECTION 3 - HEALTH HAZARD IDENTIFICATION

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

EFFECTS OF OVEREXPOSURE:

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

**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 produce primary irritation or allergic reaction and dermatitis.

**SECTION 4 – FIRST AID MEASURES**

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

**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.

**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.

**SECTION 5 - FIRE FIGHTING MEASURES**

**COMBUSTION TEMPERATURE.....:**Greater than 212°F (100°C)  
**FLASH POINT.....:** NA  
**AUTOIGNITION TEMPERATURE.....:** NE  
**FLAMMABLE LIMITS.....:** LEL - NE, UEL - NE  
**EXTINGUISHING MEDIA.....:** Foam, CO2, Dry Chemical, Water Fog

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

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Avoid dust formation and control ignition sources. 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.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**SPILL OR LEAK CLEANUP PROCEDURES:** 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.

**SECTION 7 - HANDLING AND STORAGE**

**DO NOT DRY THIS PRODUCT:** It is not necessary

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

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT**

**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.

**HAND 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 PROTECTION: 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.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT .....: NA  
MELTING POINT.....: 207 °F / 97 °C  
SOFTENING POINT.....: 190 °F / 88 °C  
BULK DENSITY.....: 56 lbs/ft<sup>3</sup> (.90 g/cc)  
PERCENT VOLATILITY BY VOLUME (%): NA  
EVAPORATION RATE (Butyl Acetate = 1): NA  
SOLUBILITY IN WATER.....: NA  
APPEARANCE AND ODOR .....: Black pellet with no distinctive odor  
MOLECULAR FORMULA .....: Fe<sub>3</sub>O<sub>4</sub>

**SECTION 10 – STABILITY & REACTIVITY**

STABILITY: UNSTABLE [ ] STABLE [ X ]

INCOMPATIBILITY (MATERIALS TO AVOID): None expected. Possible incompatibility with strong oxidizing agents, strong acids, and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: NE

HAZARDOUS POLYMERIZATION: MAY OCCUR ( ) WILL NOT OCCUR ( X )

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

**SECTION 11 – TOXICOLOGICAL INFORMATION**

KNOWN HAZARDS UNDER 29 CFR 1910.1200:  
Excessive dust/fume levels produce non-specific irritation of the eyes and respiratory system.

TOXICITY DATA: NE

LISTED AS A CARCINOGEN OR A POTENTIAL CARCINOGEN:

NTP Yes ( ) / No ( X )  
IARC Yes ( ) / No ( X )  
OSHA Yes ( ) / No ( X )

**SECTION 12 – ECOLOGICAL INFORMATION**

ECO-TOXICITY: Non-toxic material has no known harmful effect on the environment.

## SECTION 13 – DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Recycle or dispose of material according to local, state and federal requirements.

## SECTION 14 – TRANSPORTATION INFORMATION

LAND & SHIP TRANSPORT: Product is not hazardous and dangerous goods identification is not necessary.

## SECTION 15 – REGULATIONS

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

## SECTION 16 – FURTHER INFORMATION

MSDS DATE: October 25, 2007

REVISION #: 4

SUPERSEDES DATE: August 30, 2007

REASON FOR REVISION: EU Format

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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.

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