



ACME
HARDESTY
OLIOCHEMICALS

450 Sentry Parkway
Blue Bell, PA 19422
www.acme-hardesty.com
Tel: 215.591.3610
Fax: 215.591.3620

Material Safety Data Sheet

PRODUCT NAME: MAGNESIUM STEARATE POLYMER GRADE

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: MAGNESIUM STEARATE POLYMER GRADE
DATE: March 29, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ABOUT COMPONENTS

NAME: Magnesium Salt of fatty acids C16-C18
CAS #: 91031-63-9 (557-04-0)
EINECS #: 292-967-2 (209-150-3)

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

When used appropriately, no adverse effects are known to be caused by the product.

FIRST AID MEASURES

INHALATION: Not necessary
SKIN: Remove contaminated clothing immediately, and dispose of it in a controlled way.
INGESTION: Rinse out mouth and drink water
EYES: Because of mechanical irritation, wash with plenty of water for 10-15 minutes

FIRE –FIGHTING MEASURES

EXTINGUISHING METHODS: Foam, dry powder, chemical powder, carbon anhydride, water spray
EXPOSURE HAZARDS: The fumes may contain magnesium oxide. Do not breath the fumes, vapors or dust.
PROTECTIVE EQUIPMENT: Respirator.
METHODS NOT SUITABLE FOR SAFETY REASONS: Water jet.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Prevent dust formation. Remove ignition sources – do not smoke
ENVIRONMENTAL PRECAUTIONS: Keep out of sewers, drains, surface and underground water and ground.
METHODS FOR CLEAN-UP: Spray spilled material with water and take it up mechanically. Store in a closed container

HANDLING & STORAGE

HANDLING: The usual precautionary measures have to be applied when dealing with chemicals. Prevent dust depositing. Take preventive measures against dust explosion. Keep away from ignition sources.
STORAGE: Store in dry conditions at room temperature
SPECIFIC USES: Lubricant release additive.

EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV – TWA (mg/m³ MAK): 6

PERSONAL PROTECTION EQUIPMENT:

RESPIRATORY: Particle filter P1
HAND: Gloves
EYE: Goggles
SKIN: Overall

SPECIFIC HYGIENE METHODS:

Do not eat, drink, or smoke while working. Wash hands before breaks. Change contaminated clothing. Clean whole body after working.

ADDITIONAL INFORMATION:

Preventive skin-care lotion is recommended. Use anti-static working shoes.

PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: Powder
COLOR: White
ODOR: Typical
MELTING POINT, °C: 150 approximate
FREEZING POINT: Not applicable
CLOUD POINT,: Not applicable
BOILING POINT: Not applicable
FLASH POINT: Not applicable
IGNITION TEMP: Not applicable
AUTOIGNITION: Not applicable
OXIDIZING PROPERTIES: None
DANGER OF EXPLOSION:
 PRODUCT: None
 MIX POWDER/AIR: Yes
LEL/UEL: 30 / Not applicable
VAPOR PRESSURE: Not applicable
DENSITY (20°C): 1.03 approximate
APPARENT DENSITY, g/mL: 0.28 approximate
SOLUBILITY (20°C):
 WATER: Negligible
 FAT: Not determined
pH (20°C, H₂O): Not applicable

STABILITY & REACTIVITY

CONDITIONS TO AVOID: Sources of ignition. Dust formation.
MATERIALS TO AVOID: None.
DECOMPOSITION PRODUCTS: Stable at normal storage and handling temperature.
ADDITIONAL INFORMATION: Dust-air mixture can explode.

TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: LD50 oral-rat: >2 g/Kg
IRRITATION: Not determined
SENSITIZATION: Not determined
CHRONIC TOXICITY: Not determined
ROUTE OF ENTRY: Inhalation of dust and ingestion.
ADDITIONAL INFORMATION: No adverse effects are known when used appropriately.

ECOLOGICAL INFORMATION

No specific ecological data is available. Calcium stearate (chemically similar) has the following data.
WATER SOLUBILITY: Not determined
DISTRIBUTION COEFFICIENT 0.8
N-OCTANOL / WATER:
BIODEGRADABILITY (23 days): 95
DQO: Not determined
DBO5: Not determined
DBO28: Not determined
FISH TOXICITY (LC50): None
BACTERIA TOXICITY (EC50): Not determined
ALGA TOXICITY (LC50): Not determined
DAPHNIA TOXICITY (LC50): Not determined
WATER CONTAMINATION CLASS: WGK O (Generally not hazardous for aquatic organisms)
The national and local regulations for the protection of the environment must be observed.

DISPOSAL CONDITIONS

PRODUCT: Dispose of the product in accordance with local, state and federal regulations. Waste disposal by controlled incineration or designated landfill subject to applicable local, state and federal regulations.
PACKAGING: Contaminate packaging material is hazardous to health or environment. Controlled disposal according to applicable local, state and federal regulations.

TRANSPORT INFORMATION

ADR: Not applicable
IMCO: Not applicable
IATA: Not applicable
UN #: Not applicable
ADDITIONAL INFORMATION: Not subject to transport regulations.

REGULATORY INFORMATION

Directive 67/548/EEC and its modifications, adaptations and later transportations.
According to our data, this product is not dangerous in the sense of this directive.