

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: Zinc Stearate
PRODUCT NAME: P or G
PRODUCT USE: Polymer Lubricant

HB Chemical Corp., 140 E. Ascot Ln., Cuy.Falls, Ohio 44223 selling for J.Drasner
TELEPHONE: (216) 765-8805, FAX: (216) 765-8816, CHEMTREC: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT CAS # EXPOSURE LIMIT % By Wt.
Zinc Stearate 557-05-1 Not Established 100
EEC 67/548: Information available upon request

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

White granules, prills, flake or powder with fatty acid odor (See Section 9). Avoid repeated or prolonged inhalation and contact with skin and eyes. Avoid dust inhalation (See Section 3 below). Avoid contact with strong oxidizers and reducers, peroxides, oxygen and acids. Protect against decomposition products (See Section 5, 7, and 10). Avoid dust generation. May form explosive dust/air mixture.

HMIS RATING: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0 PPE: E

POTENTIAL HEALTH EFFECTS

EYE: May cause eye irritation, redness and pain.

SKIN: Repeated or prolonged contact may cause skin irritation. Constant exposure to excessive amounts may cause eczema.

INGESTION: Low hazard in normal industrial use. Large dose may cause abdominal spasm and diarrhea.

INHALATION: Repeat or prolonged dust or fume exposure may cause respiratory tract irritation, coughing, and difficulty breathing. Grossly excessive and chronic inhalation of dust may cause progressive chemical pneumonitis, cyanosis, and pulmonary edema.

CHRONIC EFFECTS: Not listed as a human carcinogen by OSHA, IARC, or NTP.

SIGNS AND SYMPTOMS: Eye, skin, or respiratory tract irritation.

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4. FIRST AID MEASURES

EYES: Hold eye lid open; flush with large volume of water; continue for 15 minutes. If irritation develops, seek medical attention.

SKIN: Wash area with mild soap and water. If irritation develops, seek medical attention.

INGESTION: If swallowed, dilute with water, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION: If exposed to excessive levels of dust or fumes, remove to fresh air and seek medical attention.

NOTE TO PHYSICIANS: Treat symptomatically (See Section 3 for observable SIGNS/SYMPTOMS).

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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Flash Point: 279°C Method: Not applicable Burn Rate: Unknown

FLAMMABLE LIMITS: Lower flammable limit: Lower explosion concentration 0.02 g/l dust (air)

Upper flammable limit: Maximum explosion pressure 68 psi @ 0.3 ounces per cubic foot

FLAMMABILITY CLASSIFICATION: Dust may form explosive mixtures with air. Dust cloud ignition temperature 690°C

AUTOIGNITION TEMPERATURE: 790 °C

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and zinc

EXTINGUISHING MEDIA: Water spray, alcohol foam, dry chemical, carbon dioxide

ADDITIONAL CONSIDERATIONS: Combustible dust. Water or foam may cause frothing. Melted fatty acid can cause grease-type fire.

FIRE FIGHTING INSTRUCTIONS: Protect against decomposition products, wear self contained breathing apparatus. If this material is involved in a fire, keep surrounding containers cool with water spray and contain all runoff.

NFPA 704M RATING: HEALTH: 2 FLAMMABILITY:1 REACTIVITY:0 SPECIAL: -

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6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Prevent dust generation and static discharge. Use non-sparking tools. Wear protective

equipment (See Section 8); stop leak at source; dike area; prevent material from entering waterway; prevent contact with

strong oxidizers and reducers (See Section 7); pump or shovel material to reclaim container; use absorbent on remaining material; and shovel into disposal container.

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7. HANDLING AND STORAGE

HANDLING: Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when

leaving work. Heating of non-vented container may cause container to rupture. Do not dispose of material or empty

container to the environment. Protect against static discharge. Ground all equipment. Avoid dust generation. Empty only

into inert or non-flammable atmosphere. Presence of flammable vapors can cause a flash fire or explosion due to

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electrostatic discharge.

STORAGE: Do not store near heat or open flame. Keep in cool, dry, well ventilated area.

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SKIN: Wash area with mild soap and water. If irritation develops, seek medical attention.

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HANDLING: Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when leaving work. Heating of non-vented container may cause container to rupture. Do not dispose of material or empty container to the environment. Protect against static discharge. Ground all equipment. Avoid dust generation. Empty only into inert or non-flammable atmosphere. Presence of flammable vapors can cause a flash fire or explosion due to electrostatic discharge.

STORAGE: Do not store near heat or open flame. Keep in cool, dry, well ventilated area.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: No data
SKIN EFFECTS: No data
INGESTION EFFECTS: Rat: Acute Oral; LD50; >10g/kg
INHALATION EFFECTS: No data
SUBCHRONIC EFFECTS: No data
CHRONIC EFFECTS/CARCINOGENICITY: Not listed as a human carcinogen by OSHA, IARC, or NTP.
EPIDEMIOLOGY: No data
TERATOLOGY: No data
REPRODUCTIVE EFFECTS: No data
NEUROTOXICITY: No data
MUTAGENICITY: No data
SYNERGISTIC PRODUCTS: No data

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data
ENVIRONMENTAL FATE: No data
PHYSICAL/CHEMICAL: (See Section 9 and 10)

13. DISPOSAL CONSIDERATIONS

Because product uses, mixtures, processes, or contamination may render this material hazardous, it is the responsibility of the user/owner of the product to determine at the time of disposal, whether the product meets RCRA criteria for a hazardous waste. Dispose of this material and the empty containers, liners and rinsate according to current local, state, and federal regulations.

14. TRANSPORTATION INFORMATION (Not meant to be all inclusive)

DOT SHIPPING NAME: Material as sold is not a DOT Hazardous Material.
DOT HAZARD CLASS/DESCRIPTION: Not applicable
DOT LABEL: Not applicable
DOT PLACARD: Not applicable
DOT UN/NA NUMBER: Not applicable
DOT PRODUCT RQ: Not applicable
IMO CLASSIFICATION: Not applicable

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EEC CLASSIFICATION: Not applicable
EEC LABEL: Not applicable
EEC R: Not applicable
EEC S: S33
TRANSPORT CANADA PIN: Not applicable

15. REGULATORY INFORMATION (Not meant to be all inclusive)

U.S. FEDERAL REGULATIONS

TSCA: Appears in TSCA Inventory

OSHA: See Section 5 for dust/air information

CERCLA SARA HAZARD CATEGORY:

SECTION 311 AND 312: This product has been reviewed according to the EPA Hazard Categories+

promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986

(SARA Title III) and is considered, under applicable definitions, to meet the following categories: fire

SECTION 313: This product contains the following substances subject to the reporting requirements of

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part

372: Zinc compounds

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: None

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): Appears in the Domestic Substance List

EINECS: Appears in EINECS

STATE REGULATIONS: Specific state information available upon request.

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16. OTHER INFORMATION

MSDS Status: Revised, February 9, 2006

The information herein is given in good faith, but no warranty, expressed or implied, is made.

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