

ZP[®] TRACKING POWDER

MSDS

Date of Issue:

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MANUFACTURERS ADDRESS: BELL LABORATORIES, INC. 3699 KINSMAN BLVD., MADISON WI 53704	Prepared by: VJD	TELEPHONE NO.: (608) 241-0202	EMERGENCY PHONE NO.: Contact your local Poison Control Center.
PRODUCT NAME: ZP TRACKING POWDER			CAS NO.: 1314-84-7
CHEMICAL FAMILY: Inorganic	CHEMICAL NAME & SYNONYMS: Zinc Phosphide		
CHEMICAL FORMULA: Zn ₃ P ₂	TRADE NAME & SYNONYMS: Zinc Phosphide		

SECTION I. HAZARDOUS INGREDIENTS

ACTIVE INGREDIENTS:	%	CURRENT TLV
Zinc Phosphide	10	N.E.
Product Type: Restricted Use Pesticide		

SECTION II. PHYSICAL DATA OF ACTIVE INGREDIENT

APPEARANCE & ODOR: Crystalline powder, garlic-like odor.	MOLECULAR WEIGHT: 258.09	MELT POINT: 420° C	SPECIFIC GRAVITY: 4.55 gm/ml
VAPOR DENSITY (AR=1): NA	COLOR: Dark Grey	BULK DENSITY: 2.76 g/cm ³	BOILING POINT: 1100° C
VAPOR PRESSURE: NA	SOLUBILITY: Insoluble in water.	WATER REACTIVE: yes	EVAPORATION RATE: NA

SECTION III. FIRE & EXPLOSION DATA OF PRODUCT

FLASH POINT F (METHOD USED): NA	FLAMMABLE LIMIT: NA	AUTOIGNITION TEMP.: NA
EXTINGUISHING MEDIA: Extinguish with water, foam or inert gas.		
SPECIAL FIRE FIGHTING PROCEDURES: None		
UNUSUAL FIRE OR EXPLOSION HAZARDS: Avoid contact with acids.		

SECTION IV. REACTIVITY HAZARD DATA OF ACTIVE INGREDIENT

STABILITY: Stable.	CONDITIONS TO AVOID: Keep dry and away from acids.
POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: NA
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing; agents and acids.	HAZARDOUS DECOMPOSITION PRODUCTS: Phosphine gas

SECTION V. TOXICITY DATA

LD50, ORAL (INGESTION): (10% AI) [Rat] 160-300 mg/kg	LD50, DERMAL (SKIN CONTACT): (94% AI) [Rabbit] 2000-5000 mg/kg	INHALATION: LC ₅₀ (10% AI) > 19.6 mg/l of air.
FISH, LC₅₀ (LETHAL CONCENTRATION): (94% AI) [Rainbow trout] 0.5 mg/kg [Blue gill] 0.8 mg/kg	SKIN IRRITATION: Not considered to be an irritant.	OTHER: NE

SECTION VI. HEALTH HAZARD DATA OF PRODUCT

PRIMARY ROUTE OF ENTRY: <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> Skin & eye contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Skin absorption	MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None	SIGNAL WORD WARNING
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HEALTH HAZARDS:

1 - Caution: May be irritating.

Nausea, abdominal pain, tightness in chest, chills.

EMERGENCY FIRST AID PROCEDURES:

Any persons applying zinc phosphide products and experiencing signs and symptoms such as nausea, abdominal pain, tightness in the chest, or weakness, should be seen by a physician immediately.

IF SWALLOWED: Immediately call a Poison Control Center or physician, or transport the patient to the nearest hospital. Do not drink water. Do not administer anything by mouth or make the patient vomit unless advised to do so by a physician.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

SPECIAL PROTECTION INFORMATION:

Wash thoroughly with soap and water after handling and before eating or smoking

SECTION VII. CONTROL & PROTECTIVE MEASURES OF PRODUCT

RESPIRATOR TYPE: (Recommended)

Dust Mask

EYE PROTECTION: (Recommended)

Safety Glasses

GLOVES: (Recommended)

Rubber Gloves

VENTILATION:

Do not place near ventilation duct openings.

OTHER PROTECTIVE MEASURES:

None

SECTION VIII. SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

General clean-up.

WASTE DISPOSAL METHOD:

If waste cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

SECTION IX. SPECIAL PRECAUTIONS & STORAGE DATA OF PRODUCT

STORAGE TEMPERATURE:

Room temperature.

AVERAGE SHELF LIFE:

Under exposed acid free conditions, will remain active for long periods of time.

SPECIAL SENSITIVITY (HEAT, LIGHT, MOISTURE):

Stable under dry conditions.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid acidic conditions - in presence of dilute acids, phosphine gas is liberated.

SECTION X. SHIPPING DATA OF PRODUCT

D.O.T. SHIPPING NAME:

ZP Tracking Powder

D.O.T. HAZARD CLASSIFICATION:

Non-hazardous

D.O.T. LABELS REQUIRED:

None

FREIGHT CLASSIFICATION:

Class 60

WARRANTY

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