



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

TRADE NAME (as labeled): TECHNI PD ACTIVATOR CONC.

CHEMICAL NAMES, COMMON NAMES: Palladium (II) Chloride

MANUFACTURER'S NAME & ADDRESS: PRODUCT CODE NO.: 230149AC

TECHNIC, INC.

1 SPECTACLE STREET

CRANSTON, RI 02910

EMERGENCY PHONE: (401) 781-6100

NAME OF PREPARER: WILLIAM A. WILSON

DATE PREPARED: August 1, 2003

24 hour Emergency: Chem Trec 1-800-424-9300

SECTION II HAZARDOUS INGREDIENTS

| <u>CHEMICAL NAMES</u> | <u>CAS NUMBER</u> | <u>PERCENT</u> | <u>EXPOSURE LIMITS</u> |
|---|-------------------|----------------|------------------------|
| Palladium Chloride PdCl ₂ | 7647-10-1 | <1.0% | TLV = Not established |

This product is not regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.

This product is not regulated by the California Proposition 65 list.

All ingredients are listed with the TSCA inventory.

For purposes of the New Jersey Right to Know Law, the contents are partially unknown.

SECTION III PHYSICAL PROPERTIES

VAPOR DENSITY (AIR=1): N.A. SPECIFIC GRAVITY: N.D.

VAPOR PRESSURE (mm Hg): N.A. MELTING POINT (degrees F): N.A.

EVAPORATION RATE (BUTYL ACETATE=1): N.A. BOILING POINT (degrees F): N.D.

SOLUBILITY IN WATER: Moderately Soluble pH: = Acidic

APPEARANCE AND ODOR: Clear light brown solution; no odor.

SECTION IV FIRE AND EXPLOSION

FLASH POINT (°F) (METHOD USED): Not combustible

AUTOIGNITION TEMPERATURE, F: N.A.

FLAMMABLE LIMITS IN AIR, VOLUME %: LOWER LIMIT N.A. UPPER LIMIT N.A.

FIRE EXTINGUISHING MATERIALS: Use media appropriate for the surrounding fire.

WATER SPRAY

CARBON DIOXIDE

OTHER:

FOAM

DRY CHEMICAL

Special Firefighting Procedures: Wear a NIOSH/MSHA approved, self-contained breathing apparatus and full protective gear if fully involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes of chloride when substance is fully involved in a fire.

SECTION V HEALTH HAZARD INFORMATION

SYMPTOMS OF OVER-EXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE.

INHALATION: Mild irritant to the respiratory tract.

CONTACT WITH SKIN OR EYES: Mild irritant.

ABSORBED THROUGH SKIN: No.

SWALLOWED: Harmful if ingested. Possible nausea, vomiting.

HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS. ATTACH EXTRA PAGE IF MORE SPACE IS NEEDED.

ACUTE: No data available.

CHRONIC: No data available.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush eyes with water (under lids) for 15 minutes or longer. Get immediate medical attention. Lift lids occasionally to ensure proper flushing of the eye surface.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash with soap and water. Get medical attention if irritation develops or persists. Launder clothing before reuse.

INHALED: Remove patient to fresh air. Maintain respiration. Call physician.

SWALLOWED: Do not induce vomiting. Dilute by giving large amounts of water. Keep airway clear and get immediate medical attention from physician and/or poison control center.

SUSPECTED CANCER AGENT? X NO YES

SECTION VI REACTIVITY DATA

Stability: X Stable Unstable

CONDITIONS TO AVOID: Fire, heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Arsenic, carbon, sulfur, sodium, tetrahydroborate, ozonides, strong reducing agents, easily corroded material.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Chloride fumes.

HAZARDOUS POLYMERIZATION: _____ MAY OCCUR X WILL NOT OCCUR

SECTION VII _____ SPILL, LEAK, AND DISPOSAL PROCEDURES _____

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

Collect and send to Technic Inc. - contains palladium. Wear protective gear. Wash spill area and send washings and wipes to refining.

WASTE DISPOSAL: SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

SECTION VIII _____ SPECIAL HANDLING INFORMATION _____

VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: In a major spill, use NIOSH/MSHA approved respirator.

EYE PROTECTION: Safety goggles.

GLOVES: Rubber gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron (optional).

WORK PRACTICES, HYGIENIC PRACTICES: Wash thoroughly after handling and before eating or smoking.

OTHER HANDLING AND STORAGE REQUIREMENTS: Store in a cool, dry area.
Store in sealed inert (polypropylene-polyethylene) containers.
Do not take internally.
Avoid contact.

| | |
|----------------------------|----------|
| H Health | 1 |
| F Flammability | 0 |
| R Reactivity | 1 |
| Personal Protection | B |