

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HOLD Catalyst

Manufacturer/Supplier:

Pittsburgh Corning Corporation
800 Presque Isle Drive
Pittsburgh, PA 15239

Information Number: 724-327-6100
CHEMTREC: 800/424-9300

Issue Date: September 14, 2001 revision 1

Generic Name: Adhesive Catalyst

Use: HOLD Catalyst is a solution of an organometallic compound in mineral spirits. . It is applied by a suitable small sprayer to an applied PC® 88 adhesive (FI-125) layer. It provides quick set and will reduce or eliminate the time needed for temporary support in unsupported or overhead FOAMGLAS® insulation applications. It may be used to fabricate FOAMGLAS® insulation shapes using PC® 88 adhesive as the bonding agent.

General Comments

General information and emergency information available 8:00 AM – 5:00 PM ET Monday through Friday.
CHEMTREC telephone number is to be used only in the event of chemical transportation emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to technical service.

NA = not applicable NE = not established UN = unavailable

SECTION 2 – INGREDIENTS AND HAZARDS

Ingredient Name	CAS Number	Percent	ACGIH TLV	OSHA PEL
Mineral Spirits	8052-41-3	91	100 ppm	100 ppm
Dibutyltin dilurate	77-58-7	9	0.1 mg/m ³ (as tin)	0.1 mg/m ³ (as tin)

NFPA HAZARD Rating: Health: 2 Fire:3 Reactivity: 0
Hazard scale: 4=extreme, 3=high 2=moderate, 1=slight, 0=minimal

SECTION 3 – PHYSICAL DATA

Physical State at 77°F (25°C):	Liquid	Freezing Point:	NA
Boiling Point:	330°F - 390°F (166°C - 199°C)	Melting Point:	NA
Vapor Pressure (mm of Mercury):	2.06	Specific Gravity Water = 1):	0.78
Vapor Density (Air = 1)	4.76.	Percent Volatile (By volume):	90%
Solubility in Water:	Negligible	Evaporation Rate (Butyl Acetate = 1):	0.15
Appearance and Odor:	clear to slightly yellow	Evaporation Rate	

liquid with solvent odor (Ethyl Ether = 1): NA.

Odor Threshold: NA pH NA

Coefficient of Water/Oil Distribution: NA

SECTION 4 – FIRE AND EXPLOSION DATA

Conditions of Flammability: Dangerous fire hazard when exposed to heat or flame

Flash Point: 107°F (42°C) to TCC Flammable Limits: LEL 0.5% UEL 6.0% (Percent by Volume)
This product is considered an OSHA Combustible liquid

Auto Ignition Temperature: 550°F (287°C)

Extinguishing Media: Foam, carbon dioxide, dry chemical. Do not use water, product will float and could be reignited.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with a full face face piece, operated in pressure-demand or other positive pressure mode.

Unusual Fire and Explosion Hazards: NA.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, various hydrocarbons

Explosion Data: Sensitivity to Mechanical Impact - None
Sensitivity to Static Discharge - NA

SECTION 5 – REACTIVITY DATA

Stability: Stable Conditions to Avoid: See Section VII

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition or Byproducts: Thermal - carbon monoxide, carbon dioxide, various hydrocarbons

Hazardous Polymerization: Will not occur Conditions to Avoid: NA

SECTION 6 – TOXICOLOGICAL AND FIRST AID INFORMATION

Threshold Limit Value: See Section 2

Routes of Entry: Inhalation? Yes; Skin? Yes; Ingestion? Unlikely; Eye Contact? Yes

Effects of overexposure:

Acute - Eyes: Can cause severe irritation, redness, tearing, blurred vision.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, Dizziness, weakness, fatigue, coughing, nausea, headache, possible unconsciousness, and asphyxiation.

Skin: Irritation, dryness, burning, dermatitis.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic - Repeated excessive exposures may cause chronic adverse systemic effects. May cause liver damage based on animal data, possible birth defect hazard. May cause birth defects based on animal data. Chronic effects of ingestion and subsequent aspiration into lungs may cause pneumatocele (lung tumor) formation and chronic lung dysfunction.

Medical conditions generally aggravated by exposure: None known

Other Toxicological Properties: None

Emergency and first aid procedures:

Eyes: Flush with large amounts of water lifting upper and lower lids occasionally. Consult physician immediately.

Skin: Thoroughly wash exposed area with soap and water, remove contaminated clothing and launder before reuse. If irritation occurs or persists, consult physician.

Inhalation: Remove to fresh air. If breathing is labored, administer oxygen. Apply artificial respiration if breathing has stopped. Call emergency medical service immediately.

Ingestion: Do not induce vomiting. Keep individual warm and quiet. Call emergency medical service or poison center immediately. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis which can be fatal

SECTION 7 – SPILL, LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case material is released or spilled: This is a hazardous substance under RCRA, RQ1000/454. Eliminate all sources of ignition. Take up liquid in absorbant and scoop up and place in closed metal containers. Ventilate area if closed.

Waste Disposal Method: Incinerate or dispose of in accordance with local, state and federal regulations.

Precautions to be taken in handling and storing: Do not store near ignition source. Store in a cool area for flammable materials. Vapors are heavier than air and may travel along the ground or through ventilation to ignition sources. Do not weld or flame cut empty containers. Avoid inhalation of mist when spraying.

SECTION 8 – SPECIAL PROTECTION INFORMATION

Eye Protection: Chemical splash goggles.

Skin Protection: Solvent resistant gloves such as Nitrile rubber.

Respiratory Protection: Avoid breathing vapor or mist. Use respirator in accordance with 29CFR 1910.134 if exposure may or does exceed exposure limits. Use organic vapor cartridge with particulate filter (American Optical R-36). NIOSH approved air supplied respirator in closed areas.

Ventilation: Sufficient mechanical to maintain exposure levels below recommended TLV.

Other Protective Clothing or Equipment: Normal work clothes including long-sleeved shirt.

Work/Hygienic Practices: Use good housekeeping and personal hygiene techniques. Wash thoroughly after using and launder clothes before reuse.

SECTION 9 – TRANSPORTATION INFORMATION

DOT name (by land) not applicable IATA name (by air) Turpentine Substitute
DOT HAZARD CLASS: combustible liquid by land/ flammable liquid by air
Domestic land: no label required

ICAO, IATA, UN: Turpentine Substitute, flammable liquid, UN 1300
IATA Class 3 Flammable liquid label required
IMDG Class 3.3 Flammable liquid and Marine Pollutant label required.
IMCO: Packing Group III, same as UN

SECTION 10 – REGULATORY INFORMATION

WHMIS CLASSIFICATION: Controlled Product Hazard Class B3 , D2B

California Proposition 65: This material might contain the following chemical substances which are known to the State of California to cause cancer, birth defects, or other reproductive harm; and, it might be subject to the requirements of California Health and Safety Code Section 25249.5:

Trace concentrations, less than 0.02%: Benzene [CAS No. 71-43-2] and Toluene [CAS No. 108-88-3]

SECTION 11 – OTHER INFORMATION

ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

HMIS = Hazardous Material Information System

NFPA = National Fire Protection Association

OSHS = Occupational Safety and Health Administration

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