1. Identification

Product Identifier: **Plastic Thermal Wing Coating**

Manufacturer:

Hohmann & Barnard, Inc.
30 Rasons Court
Hauppauge, NY 11788
(631) 234-0600
www.h-b.com

Telephone Numbers
During normal business hours call: (800) 645-0616
24-hour emergency call Chemtrec: (800) 255-3924

2. Hazards Identification

GHS Ratings:
Flammable Gases: 1
Gases Under Pressure: 1
Carcinogenicity: 1
Specific Target Organ toxicity (Repeated exposure- Liver): 2

GHS Hazards
H220: Extremely flammable gas.
H280: Contains gas under pressure; may explode if heated.
H350: May cause cancer.
H372: May cause damage to organs through prolonged or repeated exposure. (Liver)
May cause frostbite.
May displace oxygen and cause rapid suffocation.

GHS Precautions
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P281 Use personal protective equipment as required
P377 Leaking gas fi re: Do not extinguish, unless leak can be stopped safely
P381 Eliminate all ignition sources if safe to do so
P308+P313
IF exposed or concerned: Get medical advice/attention
P309+P311
IF exposed or if you feel unwell: call a POISON CENTER or doctor/physician
P403 Store in a well-ventilated place
P405 Store locked up
P410+P403
Protect from sunlight. Store in a well-ventilated place
P501 Dispose of contents/container to Federal, State and Local Regulation

Signal Word: Danger

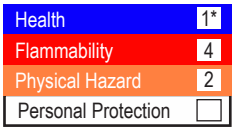
3. Composition/Information on Ingredients

Component	% (WT or VOL)	ACGIH TWA	ACGH STEL	OSHA PEL
Vinyl Chloride	<0.0002	5ppm	N/A	5ppm/15M CL
Organotin	3	0.1mg/m3 (as tin*)	N/A	1ppm/8H TWA

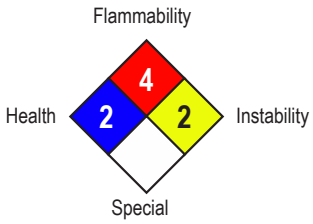
*for all “organic tin compounds.” This value is not specific to this compound. Dr. Herbert Stokinger, Chairman of the Threshold Limits Committee of ACGIH, stated the following:

> “Although the Committee fully appreciated the fact that there is a wide variation in toxicity among the various tin compounds, the lack of adequate toxicologic information on each of the various existing tin compounds and the possibility of still more to come has resulted in the only possible way to handle the problem, namely to set an extremely low level for the control of the most toxic of the Organotin compounds. In setting such a limit on the basis of the most toxic, exposures to other tin compounds are automatically controlled.”

Hazardous Material Information System (HMIS)



National Fire Protection Association (NFPA)



HMIS & NFPA Hazard Rating Legend

* = CHRONIC HEALTH HAZARD
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

4. First-Aid Measures

Ingestion: Practically inert.
Inhalation: Remove victim to fresh air. Get medical attention if necessary.
Eye Contact: In the event of eye irritation due to HCl exposure, irrigate eyes with cool water for at least 15 minutes. Seek medical attention, if needed.
Skin Contact: N/A.

5. Fire-fighting measures

Flash Point: 735°F ASTM D1929
Fire Extinguishing Media: Water, carbon dioxide or foam
Flammable Limits: N/A
Special Procedures and Equipment: Use a self-contained breathing apparatus approved for acid vapors.
Unusual Explosion Hazards: PVC compound will not continue to burn after ignition without an external fire source. Burning or temperatures at or above about 450°F liberates HCl gas.

6. Accidental release measures

If Material Is Released or Spilled: Vacuum, sweep, or shovel up immediately.
Waste Disposal Methods: Approved landfill or high temperature modern incineration under controlled conditions due to formation of HCl.
Clean Water Act Requirements: N/A
Resource Conservation and Recover Act Requirements: N/A

7. Handling and storage

Store in dry area below 100°F. When opening truck or railcar for unloading, ventilate before entering.

8. Exposure controls/personal protection

Gloves: N/A
Eyes: Safety Glasses
Respiratory (Specific Type): None under normal processing conditions.
Other: N/A

Ventilation (Local Exhaust): Recommended for processing equipment when compound is heated.
Mechanical (General): N/A
Special: N/A
Other: N/A

9. Physical and chemical properties

Appearance: 4/32 inch cubes, various colors & transparencies
Molecular Weight: N/A.
Melting Point: N/A
Specific Gravity (Water = 1): 1.2 - 1.4
Percent Volatile (By Weight): 0
Solubility in Water: None
Odor: None
Boiling Point: N/A
Vapor Pressure (MM of Mercury): < 0.1
Vapor Density (Air=1): None
pH: N/A
Evaporation Rate (Butyl Acetate = 1): None

10. Stability and reactivity

STABILITY: Stable
CONDITIONS TO AVOID: Temperatures above 400°F.
INCOMPATIBILITY (MATERIALS TO AVOID): Polyvinyl chloride compounds should not come into contact with Acetal or Acetal copolymers in elevated temperature processing equipment. The two materials are not compatible and will react in a violent decomposition when mixed under conditions of heat and pressure.
HAZARDOUS DECOMPOSITION PRODUCTS: Slow release of HCl when heated above 450°F.
HAZARDOUS POLYMERIZATION: Will Occur

11. Toxilogical information

Routes of entry: Inhalation due to overheating
Target organs: Liver
Carcinogenicity: This material contains vinyl chloride which is a cancer suspect agent. PVC meets RTECS criteria as an equivocal tumorigenic agent - tumors of the lungs, thorax or respiratory system; tumors of the skin (rat - oral). This material may contain trace amounts of vinyl chloride which is a cancer suspect agent. Polyvinyl chloride is listed by IARC, AS OF LISTING IN NTP Fourth Annual Report on Carcinogens, 1985. OSHA, as of 1/30/86, does not list polyvinyl chloride per se but requires labeling that it may contain vinyl chloride monomer which is listed as a cancer suspect agent.

12. Ecological Information

No data found

13. Disposal Considerations

Approved landfill or high temperature modern incineration under controlled conditions due to formation of HCl

14. Transport information

No data found

15. Regulatory Information

FDA: N/A
USDA: N/A
CPSC: Not listed in Hazardous Substances Labeling Guides.
TSCA: Mixture. CAS #9002-86-2
DOT: *PROPER SHIPPING NAME:* Plastic materials, other than foam, cellular, expanded or sponge.
HAZARD CLASS: N/A
LABEL REQUIRED: N/A
IDENTIFICATION NO.: N/A
OTHER PERTINENT INFORMATION: N/A
OSHA: May contain trace amounts of vinyl chloride monomer, a cancer suspect agent. Check OSHA Regulations 29 CFR, Title 29, Chapter XVII, part 1910 to determine compliance with the Regulation, including whether VCM concentrations exceed the action level.

16. Other information

Issue Date: May 31, 2015
Revision Date: May 31, 2015

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MAJOR SOURCES USED FOR MSDS PREPARATION

1) “The Condensed Chemical Dictionary,” Tenth Edition, 1981

2) “Threshold Limit Values For Chemical Substances In The Work Environment Adopted By ACGIH For 1986-87,” American Conference Of Governmental Industrial Hygienists

3) “OSHA Safety and Health Standards (29 CFR 1910) OSHA 2206,” Revised March 11, 1983, U. S. Department of Labor, Occupational Safety and Health Administration

4) “Occupational Health Guidelines for Chemical Hazards,” Prepared for National Institute for Occupational Safety and Health, January 1981, U. S. Department of Commerce National Technical Information Service

5) “NIOSH Pocket Guide to Chemical Hazards,” September 1985, U. S. Department of Health & Human Services

6) “Registry of Toxic Effects of Chemical Substances,” 1983 Supplement to the 1981-82 Edition, U. S. Department of Health & Human Services, Public Health Service, NIOSH

7) “Fourth Annual Report on Carcinogens,” 1985, National Toxicology Program (NTP), U. S. Public Health Service

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30 Rasons Court | Hauppauge, NY 11788
TEL: 800-645-0616 | FAX: 631-234-0683
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