

M A T E R I A L S A F E T Y D A T A S H E E T

I. IDENTIFICATION

MANUFACTURED BY: Diamond Vogel Paint
 1020 Albany Place SE
 Orange City, IA 51041

REVISED: 05/06/2009
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24 Hour Emergency Telephone
 CHEMTREC 1-800-424-9300

General Information:
 Mon-Fri 8 AM - 5 PM
 712-737-4993

PRODUCT LINE: Pinnacle 330HS W/B (Part A)

IG-0208 Pinnacle 330 HS Silver Gray
 IG-0224 Pinnacle 330 HS Clear Base
 IG-1220 Pinnacle 330 HS Cotton White
 IG-1221 Pinnacle 330 HS White Base
 IG-1223 Pinnacle 330 HS Deep Base
 IG-3204 Pinnacle 330 HS Safety Yellow
 IG-4202 Pinnacle 330 HS Safety Orange
 IG-5202 Pinnacle 330 HS Safety Red
 IG-6204 Pinnacle 330 HS Safety Green
 IG-7202 Pinnacle 330 HS Safety Blue
 IG-9202 Pinnacle 330 HS Jet Black

II. HAZARDOUS INGREDIENTS

CAS #14808-60-7	Crystalline Silica	WT %:	0-30	Footnote: (2)
	ACGIH TLV: 0.025 mg/m3		ACGIH STEL: NE	
	OSHA PEL: 10/(%SiO ₂ +2) mg/m3		OSHA CEILING: NE	OSHA PEAK: NE
	VAPOR PRESSURE: NA		LEL%: NA	
CAS #110-43-0	Methyl Amyl Ketone	WT %:	5-20	Footnote: (1)
	ACGIH TLV: 50 PPM TWA		ACGIH STEL:	
	OSHA PEL: 100 ppm TWA		OSHA CEILING:	OSHA PEAK:
	VAPOR PRESSURE: 2.14 mm		LEL%: 1.1	
CAS #123-86-4	Butyl Acetate	WT %:	5-20	Footnote: (1)
	ACGIH TLV: 150 ppm TWA		ACGIH STEL: 200 ppm	
	OSHA PEL: 150 ppm TWA		OSHA CEILING:	OSHA PEAK:
	VAPOR PRESSURE: 7.8mm Hg _{20C}		LEL%: 1.7	
CAS #8007-18-9	Nickel antimony titanate (Yellow 53)	WT %:	0-25	Footnote: (3)
	ACGIH TLV: 0.2 mg/m3 resp as		ACGIH STEL:	
	OSHA PEL: 0.5 mg/m3 as Sb		OSHA CEILING:	OSHA PEAK:
	VAPOR PRESSURE:		LEL%:	
CAS #64742-95-6	Aromatic 100	WT %:	1-5	Footnote: (1)
	ACGIH TLV: 25 ppm TWA		ACGIH STEL:	
	OSHA PEL: 25 ppm TWA		OSHA CEILING:	OSHA PEAK:
	VAPOR PRESSURE: 2.7mmHg _{20c}		LEL%: 0.9	
CAS #1333-86-4	Carbon Black	WT %:	0-0.6	Footnote: (4)
	ACGIH TLV:		ACGIH STEL:	
	OSHA PEL:		OSHA CEILING:	OSHA PEAK:
	VAPOR PRESSURE:		LEL%:	
CAS #100-41-4	Ethyl Benzene	WT %:	0-0.1	Footnote: (5)

ACGIH TLV: 100 ppm ACGIH STEL: 125 ppm
OSHA PEL: 100 ppm OSHA CEILING: NE OSHA PEAK: NE
VAPOR PRESSURE: 10 mmHg@20C LEL%: 1

WARNING MESSAGES:

- (1) Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Chronic exposure may cause damage to the central nervous system, respiratory system, lung, eye, skin, liver, gastrointestinal tract, spleen, kidneys, and blood.
- (2) International Agency for Research on Cancer (IARC) Monograph Volume 68 (1997) concludes that Crystalline Silica is "carcinogenic to humans (Group 1)" based on sufficient evidence in humans and experimental animals.
- (3) International Agency for Research on Cancer (IARC) Monograph Volume 49 (1990) concludes that Nickel Compounds are "carcinogenic to humans (Group 1)" based, as a group, on sufficient evidence.
- (4) International Agency for Research on Cancer (IARC) Monograph Volume 65 (1996) concludes that Carbon Black is "possibly carcinogenic to humans (Group 2B)" based on inadequate evidence in humans and sufficient evidence in experimental animals.
- (5) International Agency for Research on Cancer (IARC) Monograph Volume 77 (2000) concluded that Ethylbenzene is "possibly carcinogenic to humans (Group 2B)" based on inadequate evidence in humans and sufficient evidence in experimental animals.
- (6) See Section IX for reportable Hazardous Air Pollutants.

III. PHYSICAL DATA

BOILING RANGE: 244-356° F

EVAPORATION RATE: * slower than ether *

PERCENT VOLATILE BY VOLUME: 40.12-45.55% WEIGHT PER GALLON: 9.21-11.22 LBS

VAPOR DENSITY: * heavier than air *

ACTUAL VOC (lb/gal): 2.82-3.18

EPA VOC (lb/gal): 2.82-3.18

EPA VOC (g/L): 337.95-381.09

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 32° C 90° F LEL: Refer to Section II

FLAMMABILITY CLASSIFICATION: CLASS 1C

HAZARD CLASSIFICATION: *Flammable Liquid

EXTINGUISHING MEDIA: *carbon dioxide, dry chemical, or fire foam*

UNUSUAL FIRE AND EXPLOSION HAZARDS: With excessive heat, cans will rupture from internal pressure and discharge flammable contents. Vapors may ignite explosively. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build up of vapors by opening all windows and doors to achieve

cross-ventilation.

SPECIAL FIREFIGHTING PROCEDURES: Burning will produce toxic fumes. Wear self-contained breathing apparatus and full turn-out gear to fight fires. USE WATER WITH CAUTION. Material will float and may ignite on surface of water. Use water spray to keep fire exposed containers cool. Water may be ineffective in fighting the fire.

V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE:

Acute - High vapor concentrations are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

Nickel and specific compounds of nickel have been reported to cause dermatitis in sensitive individuals. Ingestion of soluble nickel salts may cause nausea, vomiting and diarrhea. Dust may irritate the eyes, mucous membranes and skin. Prolonged or excessive inhalation exposure may cause irritation of the respiratory tract. May cause allergic respiratory reaction. May result in asthma, bronchitis, difficulty breathing or wheezing.

Chronic - This product contains crystalline silica which is classified as carcinogenic to humans, Group 1, by the International Agency for Research on Cancer (IARC), based on sufficient evidence of carcinogenicity in humans. Crystalline silica may also cause delayed respiratory disease (silicosis) if inhaled over a prolonged period of time. Avoid breathing dust. Use a NIOSH/MSHA approved respirator where TLV for crystalline silica may be exceeded.

This product also contains Nickel Compounds. Nickel compounds are classified as carcinogenic to humans, Group 1, by the IARC. Chronic exposure to nickel metal fume or oxide dusts may cause cancer. Exposure to nickel salts can cause cancer of the lung and nasal passages.

This product also contains ethylbenzene which has been classified as a possible carcinogen to humans, Group 2B, by the IARC, based on sufficient evidence in laboratory animals but inadequate evidence for cancer in humans. Prolonged or repeated overexposure to ethylbenzene may cause the following: kidney effects, liver effects, lung effects, thyroid effects, testicular effects, pituitary effects.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: consult physician

PRIMARY ROUTE(S) OF ENTRY: Skin and Inhalation

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

EYES: Flush immediately with large amounts of water for at least 15 minutes. Talk to a physician for medical treatment.

SKIN: Wipe off with towel. Wash with soap and water. Remove contaminated clothing.

INGESTION: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by a medical personnel. Never give anything by mouth to an unconscious person.

VI. REACTIVITY DATA

STABILITY: *stable*

HAZARDOUS POLYMERIZATION: *will not occur*

INCOMPATIBILITY: Material can react violently with strong bases, strong oxidizing agents, strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire, burning and welding may generate carbon monoxide.

CONDITIONS TO AVOID: Fire, burning, and welding.

VII. SPILL OR LEAK PROCEDURES

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

Remove all sources of ignition (flames, hot surfaces and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Use non-sparking tools. Remove with inert absorbant.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In confined areas of poor ventilation, use chemical cartridge respirator or self-contained breathing apparatus.

VENTILATION: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV and LEL of most hazardous ingredient in Section II, below acceptable limit.

PROTECTIVE GLOVES: None required except for prolonged contact.

EYE PROTECTION:

Splash proof eye goggles. In emergency situations, use eye goggles with a full face shield.

OTHER PROTECTIVE EQUIPMENT: *none*

HYGIENIC PRACTICES: See Section V

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store near heat, sparks, or flame.

OTHER PRECAUTIONS: * none *

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants':

Ingredient	CAS #	Wt% of HAPS in product	Pounds HAPS/ Gal product
Nickel antimony titanate (Yell	8007-18-9	2.1 %	0.2
