

NOV-01-1995 14:32

VISTA

P.002/005

===== MATERIAL SAFETY DATA SHEET =====
 ===== For chemicals, coatings and related materials =====
 ===== 'Essentially similar' to form OSHA-20 =====

DATE PREPARED:
 1- 4-89

===== Manufacturer =====
 NAME : Penn.Color
 ADDRESS: 400 Old Dublin Pike
 ADDRESS: Doylestown, PA
 ADDRESS:
 ZIPCODE: 18901

EMERGENCY PHONE NUMBER
 DAY: CHEMTREC:
 NIGHT: (800)-424-9300

INFORMATION PHONE NUMBER
 (215)-345-6550

===== Section I - Product =====
 NUMBER: 83B278
 NAME : Black PVC Dispersion
 CLASS : Polyvinyl Chloride Chip

H M I S Hazard Codes
 Health: 1 Slight
 Flammability: 1 Slight
 Reactivity: 0 Minimal

Personal Protective Equipment: A

===== Section II - Hazardous Ingredients =====

Ingredient	Percent	C. A. S.	LEL	Vapor Pressure
Material Description	(by weight)	Registry No.		mm Hg @ 20 C
Carbon Black	34.5	1333-86-4	N/A	N/A
Polyvinyl Chloride Resin	31.0	9002-86-2	N/A	N/A
Diisodecyl Phthalate	34.5	26761-40-0	N/A	N/A

===== Section III - Physical Data =====

Boiling Range: N/A - N/A deg F Freezing Point: N/A deg F
 Vapor Pressure: N/A mm @ 20 deg C Vapor Density: Heavier than air.
 Specific Gravity: 1.28 H2O Soluble: Negligible (< 0.1%)
 Evaporation Rate: Slower % Volatile by Volume: N/A %
 (relative to n-butyl acetate)

Appearance and Odor: Solid, black chips or powder.

===== Section IV - Fire and Explosion Hazard Data =====

Flash point: N/A deg F Explosive Limits: LEL UEL (%V in air)
 (Method Used) Tag N/A N/A

FLAMMABILITY CLASSIFICATION
 OSHA: N/A
 DOT : Not regulated

EXTINGUISHING MEDIA:
 Carbon dioxide (CO2).
 Dry chemical.
 Water spray. Water may not be effective in fighting the fire, but
 can be used to cool overheated areas. Care must be taken not to
 spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES:
 Use water spray to cool overheated containers. Take care not to
 spread fire with water.
 Wear protective clothing.
 Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Build-up of dust concentration may lead to a dust explosion.
 See section VII for possible hazardous decomposition materials.

CONTROLLED
DOCUMENT

NOV-01-1995 14:33

VISTA

P.003/005

DEFINITIONS:

N/A = Not Available and/or Not Applicable

PEL = units of mg/cubic meter

(*) = SARA Section 313 listed. IF CHEMICAL SYMBOL FOLLOWS * in () MATERIAL IS A COMPOUND. Ex: (*Cu)-report as copper compound.

NOTE: Please refer to the end of Section VII for Regulatory Information pertaining to the determination for the listing of ingredients, CAS Numbers, percentages and other information.

Section V - Toxicological Information

Ingredient	PEL	TLV (twa)	(rat)	(rft)	(rat)	LD50 (g/kg)	LC50 (ppm)
Material Description	mg/m3	ppm	ORAL	DERMAL	INHAL		

Carbon Black	3.5	3.5	N/A	N/A	N/A	N/A	
Polyvinyl Chloride Resin	N/A	N/A	N/A	N/A	N/A	N/A	
Diisodecyl Phthalate	N/A	N/A	N/A	64.0	N/A	N/A	

Section VI - Health Hazard Data

EFFECTS OF OVEREXPOSURE: THRESHOLD LIMIT VALUES: See Section V

PRIMARY ROUTE(S) OF EXPOSURE/ENTRY: Inhalation, Skin Contact

ACUTE EFFECTS OF OVEREXPOSURE:

EYES : Dusts may irritate the eyes.

SKIN : Dusts may dry and irritate the skin.

INHALATION: Dusts may irritate the respiratory tract.

INGESTION: Not a likely route of exposure.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT : Immediately flush with large amounts of water and continue for at least 15 minutes. Call a physician if discomfort persists.

SKIN CONTACT: Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.

INHALATION : Remove to fresh air. If breathing is difficult, give oxygen and call a physician. If breathing has stopped, apply artificial respiration and call a physician.

INGESTION : Not a probable route of exposure. Call a physician.

Section VII - Reactivity Data

STABILITY: Stable

STABILITY CONDITIONS TO AVOID:

Extreme heat.

Open flames or sparks.

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH):

Avoid strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

Oxides of sulfur.

Hydrogen chloride.

HAZARDOUS POLYMERIZATION: Will not occur

POLYMERIZATION CONDITIONS TO AVOID:

Material not known to polymerize.

REGULATORY INFORMATION:

This MSDS is in compliance with the OSHA Hazard Communication Standard 29CFR1910.1200.

This MSDS has also been prepared to be in compliance with the Commonwealth of Pennsylvania's Right-to-Know regulations for chemical manufacturers and should satisfy many other state right-to-know laws.

NOV-01-1995 14:33

VISTA

P.004/005

The chemical ingredient reporting rules for Pennsylvania are more detailed than OSHA regulations and this MSDS lists the common chemical name and CAS Number in Section II for:

 specially hazardous ingredient >0.01% (OSHA is >0.1%)
 hazardous ingredient >1.0 % (OSHA is the same)
 nonhazardous ingredient >3.0% (OSHA does not regulate)

TRADE SECRET entered in the CAS Number column declares that the exact identity of the ingredient(s) listed is proprietary information to Penn Color and/or to our suppliers. Percentages of ingredients are approximate values for the purpose of hazard and SARA determination by the product's user and are not necessarily exact specifications. SARA SECTION 313 STATUS: see DEFINITIONS area at end of Section IV.

TSCA INVENTORY STATUS:

All ingredients in this product appear on the TSCA Inventory.

=====

Section VIII - Spill or Leak Procedures

=====

STEPS FOR MATERIAL SPILLAGE:

Prevent material from entering sewers, watercourses or ground.
Remove all sources of ignition (flame, hot surfaces, and any producers of electrical, static or frictional sparks). Wear appropriate protective clothing (see section IX). Ventilate area, avoid dusting and sweep up material for disposal.

WASTE DISPOSAL METHODS:

Dispose of in accordance with local, state and federal regulations.

=====

Section IX - Special Protection Information

=====

RESPIRATORY PROTECTION:

NESEA/NIOSH approved: (must be worn if PEL & TLV levels are exceeded)
Dust respirator.

VENTILATION:

Provide adequate cross air ventilation to keep dust and/or vapor levels below the PEL and TLV levels (see section V).

PROTECTIVE GLOVES:

Protective gloves for solids handling (cloth or leather).

EYE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

Eyewash station.
Emergency shower.

=====

Section X - Special Precautions

=====

HANDLING AND STORAGE PRECAUTIONS:

Use explosion proof electrical equipment.
Keep away from heat or sources of ignition.
Do not breathe or get dusts in eyes.
Containers must be kept closed and ventilation provided to prevent explosive dust concentrations. Store in a cool, dry place.
Avoid conditions listed in section VII.

OTHER PRECAUTIONS:

Check all containers for leaks.
Wear protective clothing as in section IX.
Avoid prolonged breathing of dusts.
Ensure that all equipment is grounded to prevent static discharge.
Containers of this material may be hazardous when emptied due to solid or vapor residue. All hazard precautions given in the data sheet must be observed for empty containers.

Authorized Signature: *Sany a. [unclear]*Date: JAN 04 1995Title: Regulatory Affairs Coordinator