



Development Associates, Inc

300 Old Baptist Rd. N Kingstown, RI 02852

Tel (401) 884-1350 FAX (401) 885-7888 www.developmentassociatesinc.com.



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Material Safety Data Sheet

Product Name: SVP-2003

Date: 6/8/2003
Supersedes: January 16, 1998

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturers Name: Development Associates, Inc.
300 Old Baptist Rd.
North Kingstown, RI 02852

Emergency Phone No: Chemtrec (800) 424-9300 24 Hour

Product Name: SVP-2003 Primer

Chemical Family/Name: Paint/Primer

Trade Name: Adhesive Primer

2. COMPOSITION / INGREDIENT INFORMATION

Component	CAS #	%	Exposure limits(source)
Acetone	67-64-1	50-60	750 (1)
N-Butyl Alcohol	71-36-3	25-35 %	50 (1)
Terpolymer of polyvinyl butyral, polyvinyl alcohol & polyvinyl acetate	27360-07-2	1-10%	n/e (5)
Glycidoxypropyl-trimethoxysilane	2530-83-8	0-10%	5ppm TWA (4)
Bisphenol A/ epichlorohydrin resin	25068-38-6	0-5%	n/e (5)
Chromium (III) Oxide	1308-38-9	<0.2%	0.05 mg/M3 Cr (1)
Phosphoric Acid	7664-38-2	<0.3%	1 mg/M3(1)

Source of Exposure Limit Data: 1. ACGIH Threshold Limit Values 2. Federal OSHA Permissible Exposure Limit 3. 3M Exposure Guidelines 4. Chemical Manufacturer Recommended Guidelines 5. n/e None Established **Abbreviations:** n/a-not applicable, n/d-not determined, n/e-not established

3. HAZARDS IDENTIFICATION

HMIS HEALTH 3, FIRE 3, REACTIVITY 0

Threshold Limit Value: Not established. See ingredients for individual limits.

WARNING: Vapors may cause upper respiratory irritation and narcosis. Liquid is irritating to eyes and skin. May be absorbed through the skin. Exposure to the solvents in this material may cause nerve, brain and liver damage. Aspiration of liquid into the lungs may be harmful or fatal. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system.

Inhalation: Irritation of respiratory tract, coughing, dizziness, dullness, headache. Higher concentrations can produce central nervous system depression, narcosis, unconsciousness.

Ingestion: Ingestion of larger amounts may produce abdominal pain, nausea and vomiting. Aspiration into lungs can produce severe lung damage and is a medical emergency.

Skin Contact: Defatting of skin, redness, pain, drying and cracking of skin.

Eye Contact: Irritating vapors, stinging, tearing, redness, pain.

Effects of Overexposure (acute): Vapors may cause upper respiratory irritation and narcosis

Effects of overexposure (chronic): Exposure to the solvents in this product over an extended period of time may result in dermatitis, blindness, liver and or brain damage.

Carcinogenicity: Neither this product nor any constituents is listed as a carcinogen by IARC, NTP, OSHA.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes: Flush with lukewarm water for at least 15 minutes. Call physician.

Skin Contact: Remove contaminate clothing. Wash before reuse. Wash skin thoroughly with soap and water.

Inhalation: Move to fresh air. Administer oxygen or artificial respiration as needed. Consult physician.

Ingestion: Aspiration hazard. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Do not induce vomiting. Consult physician.

5. FIRE AND EXPLOSION DATA

Flash Point: 70°F (-14°C) TCC

Flammable Limits in Air % Volume: Upper: 9-13% Lower: 2-3%

Extinguishing Media: Foam, CO₂, or Dry Chemical, Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, disperse vapors.

Extremely Flammable Liquid and Vapor. Vapor may cause flash fire. Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Sealed containers may rupture when heated. This material may produce a floating fire hazard. Sensitive to static discharge.

Unusual Fire and Explosion Hazards: Will burn. May be ignited by heat, sparks or flames. Vapors are flammable and may spread away from a spill. During a fire irritating and/or toxic gasses may be generated by thermal decomposition or combustion.

Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus should be worn by fire fighters. Use cold water spray to cool fire exposed containers to minimize risk of rupture.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

Precautions to be Taken in Storage and Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical Splash goggles.

Skin Protection: Rubber gloves and apron.

Ventilation and Respiratory Protection: Explosion proof ventilation as required to maintain air concentrations below the TLV. Self contained or organic vapor respirator.

Other: Safety showers and eye wash stations should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	clear to slightly hazy liquid
Color	green
Odor	strong solvent odor
Boiling Range	132°F-250°F
Melting Point	n/a
Evaporation Rate(BuAcet=1)	0.45
Vapor Density (air=1)	>1
Weight per Gallon	6.8
Specific Gravity	0.82
Solubility in Water(%)	75-100%

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

Incompatibility (materials to avoid): Oxidizers, strong acids or bases.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: CO, CO₂, partially decomposed hydrocarbons. Small quantities of Chromium and Phosphorus vapors, other undetermined irritating and or toxic gasses, vapors and fumes may be liberated on burning or thermal decomposition.

11. TOXICOLOGICAL INFORMATION

N-Butyl Alcohol CAS# 71-36-3: Oral rat LD₅₀: 790 mg/kg; inhalation rat LC₅₀: 8000 ppm/4H; skin rabbit LD₅₀: 3400 mg/kg; irritation, standard Draize, skin, rabbit, 20 mg/24H moderate; irritation, standard Draize, eye, rabbit, 2 mg/24H severe.

Acetone CAS# 67-64-1: Oral rat LD₅₀: 5800 mg/kg; Inhalation rat LC₅₀: 50,100mg/m³; Irritation eye rabbit, Standard Draize, 20 mg severe; investigated as a tumorigen, mutagen, reproductive effector.

Glycidoxypropyl-trimethoxysilane CAS# 2530-83-8: Draize test, rabbit, eye: 100 mg Mild; Oral, rat: LD₅₀ = 22600 uL/kg; Skin, rabbit: LD₅₀ = 3970 uL/kg.

Phosphoric Acid CAS# 7664-38-2: Oral rat LD₅₀: 1530 mg/kg

12. ECOLOGICAL INFORMATION

N-Butyl Alcohol CAS# 71-36-3: When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material may evaporate to a moderate extent. When released to water, this material is expected to quickly evaporate. When released into water, this material is expected to readily biodegrade. . This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals.

Acetone CAS# 67-64-1: When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material is expected to readily biodegrade. When released to water, this material is expected to quickly evaporate. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be moderately degraded by photolysis. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.

Chromium (III) Oxide CAS# 1308-38-9: When released into the soil, this material is not expected to biodegrade. This material is not expected to significantly bioaccumulate.

Phosphoric Acid CAS# 7664-38-2: When released into the soil, this material may leach into groundwater. When released to water, acidity may be readily reduced by natural water hardness minerals. The phosphate, however, may persist indefinitely.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: If discarded in its purchased form, this product is an ignitable waste (D001) by characteristic according to 40CFR261.21. Under RCRA, it is the responsibility of the product user to determine, at the time of disposal, whether a material is a hazardous waste. State and local disposal regulations may differ from federal disposal regulations. Dispose in accordance with all federal, state, and local waste disposal laws and regulations. Incineration is the preferred method.

14. TRANSPORT

D.O.T. Shipping Name	Paint
Technical Shipping Name	Paint (Adhesive Primer)
D.O.T. Hazard Class	3, (Flammable Liquid)
UN/NA Number	UN-1263
Packaging Group	II
D.O.T. Labels Required	Flammable Liquid
NMFC Item	149980-1,2, Class 55

15. REGULATORY

All components of this mixture are listed in the TSCA inventory.

SARA III 313/EPCRA 313: N-Butyl Alcohol CAS# 71-36 component listed, Acetone CAS# 67-64-1 component listed. For details on regulatory requirements you should contact the appropriate agency in your state.

16. OTHER

This data is offered in good faith as typical values and not as a product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. No warranty, either expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

The information on this data sheet is only to assist in the safe handling of this material, and may contain trade secrets which may not be divulged to anyone except the users

of this material and health care and hygiene professionals as required for its safe use. No license or permission to infringe any patent or breach any trade secret is given.