

Dependable Chemical Company, Inc.

Material Safety Data Sheet

Date Prepared: 08-01-03 Rev. 3-29-11

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **VAPORSEAL™ SB "A-Component"**

Dependable Chemical Company, Inc.
PO Box 16334
Rocky River, OH 44116
440-333-1123 or 800-227-3434

24 Hour Emergency:
CHEMTREC: 800-424-9300

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WEIGHT %
Bisphenol A Epichlorhydrin	25068-38-6	Not Established	Not Established	10 - 25%
1,6-Hexandioldiglycidylether	16096-31-4	Not Established	Not Established	2.5 - 10%

SECTION 3 PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not determined
Vapor Pressure (mm Hg.): 0.1 hPa
Vapor Density (AIR = 1): N.A.
Solubility in Water: Not Miscible
Viscosity: 16000 mPAS (at 68°F; 20°C)

Specific Gravity: (BULK DENSITY) 2.14 Kg/L
Melting Point: Not determined
Evaporation Rate (Butyl Acetate = 1): N.A.
pH – value: 10 (at 68°F; 20°C)

Appearance and Odor: WHITE LIQUID – MILD CHARACTERISTIC ODOR

Note: Mix in a well ventilated area or when feasible, outdoors. Odor normally disappears within 24 hours after mixing with B-Component (hardener).

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): >100°C (>212°F) Flammable Limits: **NONE** LEL: **N/A** UEL: **N/A**
Extinguishing Media: **CO₂, ESTINGUISHING POWDER OR WATER FOG**
Special Fire Fighting Procedures: **NONE, IF HANDLED AND STORED ACCORDING TO INSTRUCTIONS**
Unusual Fire and Explosion Hazards: **NONE**

SECTION 5 REACTIVITY DATA

Stability: Unstable: Stable: **X** Conditions to avoid: **NONE**
Incompatibility (Materials to Avoid): **Strong Oxidizing Agents**
Hazardous Decomposition or Byproducts: **CARBON MONOXIDE, ALDEHYDES**
Hazardous Polymerization: May Occur: Will Not Occur: **X** Conditions to Avoid:

SECTION 6 HEALTH HAZARD DATA

Route(s) of Entry: Inhalation?: **N/A** Skin? **X** Ingestion?: **X**

Health Hazards (Acute and Chronic): **WHEN HANDLED UNDER NORMAL CONDITIONS, VAPORSEAL "A-COMPONENT" IS NOT, TO THE BEST OF OUR KNOWLEDGE AND EXPERIENCE, TOXIC. LONG TERM EXPOSURE CAN CAUSE IRRITATIONS TO THE SKIN AND MUCOUS MEMBRANES.**

Carcinogenicity: **N/A** NTP?: **NO** IARC Monographs?: **NO** OSHA Regulated?: **NO**
Signs and Symptoms of Exposure: **OVEREXPOSURE CAN LEAD TO CNS DEPRESSION, KIDNEY AND LIVER CHANGES, AND POSSIBLE ALLERGIC SKIN REACTIONS.**

Medical Conditions – Generally Aggravated by Exposure: **ALLERGY, EXZEMA, OR SKIN CONDITIONS**

VAPORSEAL™ “A-Component” MSDS (Continued)

Emergency and First Aid Procedures:

SKIN: AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH SOAP & PLENTY OF WATER. REMOVE HEAVILY SOILED CLOTHING.

EYES: IN CASE OF CONTACT WITH THE EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER (10-15 MIN). AND CONSULT A PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITTING. RINSE MOUTH AND DRINK PLENTY OF WATER IN SMALL SIPS. CONSULT IMMEDIATELY WITH A PHYSICIAN.

INHALATION: MOVE TO FRESH AIR IF FEELING ILL OR EXPERIENCING TROUBLE WITH BREATHING. CONSULT PHYSICIAN IF PROBLEMS PERSIST.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled:

CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE, ABSORBENT MATERIALS, I.E. SAND, EARTH, VERMICULITE, DIATOMACEOUS EARTH, UNIVERSAL BINDERS, SAWDUST, AND PLACE IN CONTAINER FOR DISPOSAL. EMERGENCY PROCEDURES ARE NOT REQUIRED.

Waste Disposal Method: **DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

Ecological Information: **DO NOT ALLOW PRODUCT TO REACH GROUND WATER, BODIES OF WATER, OR SEWAGE SYSTEMS.**

Precautions to be Taken in Handling and Storing:

AVOID CONTACT WITH SKIN AND EYES. OBSERVE NORMAL PRECAUTIONS WHEN HANDLING WITH CHEMICALS.

Other Precautions: **NONE – NO DANGEROUS MATERIALS ARE RELEASED. STORE CONTAINERS TIGHTLY CLOSED IN A COOL (FROST FREE), WELL VENTILATED PLACE.**

SECTION 8 CONTROL MEASURES

Respiratory Protection (*Specify Type*): **NONE, BUT AVOID BREATHING VAPORS IF POSSIBLE.**

Ventilation: Local Exhaust: **PROVIDE GOOD VENTILATION** Special: **NONE**
Mechanical (*General*): **RECOMMENDED** Other: **NONE**

Protective Gloves: **RUBBER OR NEOPRENE** Eye Protection: **SAFETY GOGGLES**

Other Protective Clothing or Equipment: **STANDARD WORK CLOTHING**

Work/Hygienic Practices: **WASH HANDS BEFORE BREAKS AND AFTER WORK, AND BEFORE EATING, DRINKING OR SMOKING.**

SECTION 9 SHIPPING INFORMATION

DOT (Domestic Surface) Hazard Class or Division: **NOT REGULATED**
IMO (Ocean) Hazard Class or Division: **9 UN 3082 Packaging Group III**
ICAO (Air) Hazard Class or Division: **NOT REGULATED**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for loss, damage, expense, direct or consequential, arising from their use.

**Dependable Chemical Company, Inc.
Material Safety Data Sheet**

Date Prepared: 4-19-2001 Date Rev. 3-29-2011

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **VAPORSEAL™ SB “B-Component” (HARDENER)**
 Dependable Chemical Company, Inc. PO Box 16334
 Rocky River, OH 44116
 440-333-1123 or 800-227-3434

24 Hour Emergency:
 CHEMTREC: 800-424-9300

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WEIGHT %
Isophoronediamine (3-aminomethyl-3, 5,5-trimethylcyclohexylamine)	2855-13-2	N/A	N/A	50-100%
Naptha, hydrodesulfurized, heavy	64742-82-1	N/A	N/A	25-50%
2,4,6-Tris-(dimethylaminomethyl) phenol	90-72-2	N/A	N/A	2.5-10%

SECTION 3 PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 100°C (212°F)	Specific Gravity: (BULK DENSITY) .892 Kg/L
Vapor Pressure (mm Hg.): N.A.	Melting Point: Not determined
Vapor Density (AIR = 1): N.A.	Evaporation Rate (Butyl Acetate = 1): N.A.
Solubility in Water: Not Miscible	pH – value: 14 (at 68°F; 20°C)
	Viscosity: 24 CPS at 68°F (24 mPas at 20°C)

Appearance and Odor: **YELLOWISH LIQUID – CHARACTERISTIC ORDOR (AMINE LIKE)**
Note: Mix in a well ventilated area or when feasible, outdoors. Odor diminishes significantly when mixed with resin(A-Component) and smells like paint. Odor normally disappears within 24 hours.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): **77°C (171°F)** Flammable Limits: **380°C (716°F)** LEL: **N/A** UEL: **N/A**
Product is not self-igniting

Extinguishing Media: **FOAM, ALCOHOL FOAM, CO₂, EXTINGUISHING POWDER, OR WATER FOG. DO NOT USE DIRECT WATER JET**

Special Fire Fighting Procedures: **WATER MAY CAUSE VIOLENT FROTHING IF SPRAYED DIRECTLY INTO BURNING LIQUID, WEAR POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS WITH FULL-FACE PIECE AND FULL PROTECTIVE CLOTHING**

Unusual Fire and Explosion Hazards: **DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. TOXIC FUMES MAY BE RELEASED IN FIRE OR EXTREME HEAT SITUATIONS**

SECTION 5 REACTIVITY DATA

Stability: Unstable: Stable: **X** Conditions to avoid: **HEAT, SPARKS, OPEN FLAME**
 Incompatibility (Materials to Avoid): **STRONG OXIDIZING AGENTS**
 Hazardous Decomposition or Byproducts: **CARBON MONOXIDE, CARBON DIOXIDE, HYDROCARBON FRAGMENTS**

Hazardous Polymerization: May Occur: Will Not Occur: **X** Conditions to Avoid:

SECTION 6 HEALTH HAZARD DATA

Route(s) of Entry: Inhalation?: **X** Skin? **X** Ingestion?: **X**
Health Hazards (Acute and Chronic): CORROSIVE. CAN BE CORROSIVE TO SKIN. CAN CAUSE RESPIRATORY TRACT IRRITATION, EYE DAMAGE, GASTROINTESTINAL TRACT DAMAGE. CAN CAUSE NERVOUS SYSTEM EFFECTS AND SKIN SENSITIZATION.

Carcinogenicity: **N/A** NTP?: **NO** IARC Monographs?: **NO** OSHA Regulated?: **NO**
 Signs and Symptoms of Exposure: **OVEREXPOSURE CAN LEAD TO CNS DEPRESSION, KIDNEY AND LIVER CHANGES, AND POSSIBLE ALLERGIC SKIN REACTIONS.**
 Medical Conditions – Generally Aggravated by Exposure: **ALLERGY, ECZEMA, OR SKIN CONDITIONS.**

Emergency and First Aid Procedures:

SKIN: AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH SOAP & PLENTY OF WATER. REMOVE HEAVILY SOILED CLOTHING.

EYES: IN CASE OF CONTACT WITH THE EYES, RINSE EYES THROUGH OPEN IYE LIDS IMMEDIATELY WITH PLENTY OF WATER (MINIMUM 15 MIN). AND CONSULT A PHYSICIAN.

INGESTION: RINSE MOUTH AND DRINK PLENTY OF WATER IN SMALL SIPS. DO NOT INDUCE VOMITING. DO NOT DRINK MILK, ALCOLOH, OIL ETC. CONSULT IMMEDIATELY WITH A PHYSICIAN.

INHALATION: MOVE TO FRESH AIR IF FEELING ILL OR EXPERIENCING TROUBLE WITH BREATHING. CONSULT PHYSICIAN IF PROBLEMS PERSIST.

NOTE: ADVERSE REACTIONS MAY TAKE SEVERAL HOURS TO APPEAR. MEDICAL OBSERVATION SHOULD LAST AT LEAST 48 HOURS AFTER ANY OF THE ABOVE INCIDENTS.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled:

REMOVE ALL SOURCES OF IGNITION. CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE, ABSORBENT MATERIALS, I.E. SAND, EARTH, VERMICULITE, DIATOMACEOUS EARTH, UNIVERSAL BINDERS, SAWDUST, AND PLACE IN CONTAINER FOR DISPOSAL. EMERGENCY PROCEDURES ARE NOT REQUIRED.

Waste Disposal Method: DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Ecological Information: DO NOT ALLOW PRODUCT TO REACH GROUND WATER, BODIES OF WATER, OR SEWAGE SYSTEMS.

Precautions to be Taken in Handling and Storing:

AVOID CONTACT WITH SKIN AND EYES. OBSERVE NORMAL PRECAUTIONS WHEN HANDLING WITH CHEMICALS. DO NOT SMOKE.

Other Precautions: STORE CONTAINERS TIGHTLY CLOSED IN A COOL (FROST FREE), WELL VENTILATED PLACE. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 CONTROL MEASURES

Respiratory Protection (Specify Type): USE MSHA/NIOSH APPROVED RESPIRATOR IN POORLY VENTILATED AREAS.

Ventilation:	Local Exhaust:	PROVIDE GOOD VENTILATION	Special: NONE
	Mechanical (General):	RECOMMENDED	Other: NONE

Protective Gloves: RUBBER OR NEOPRENE (SOLVENT RESISTANT) Eye Protection: SAFETY GOGGLES

Other Protective Clothing or Equipment: STANDARD WORK CLOTHING

Work/Hygienic Practices: WASH HANDS BEFORE BREAKS AND AFTER WORK, AND BEFORE EATING, DRINKING OR SMOKING.

SECTION 9 SHIPPING INFORMATION

DOT (Domestic Surface) Hazard Class or Division:	8	UN 2735 Packaging Group III
IMO (Ocean) Hazard Class or Division:	8	UN 2735 Packaging Group III
ICAO (Air) Hazard Class or Division:	8	UN 2735 Packaging Group III

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