



## ABATRON, INC.

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# Material Safety Data Sheet

### SECTION 1: PRODUCT IDENTIFICATION

**EFFECTIVE DATE:** 12-01-97  
**PRODUCT NAME:** ABOWELD 55-1  
**CLASS:** FORMULATED EPOXY PASTE

**PRODUCT CODE:** 55-1A  
**TYPE:** ADHESIVE PUTTY

### SECTION 2: HAZARDOUS INGREDIENTS

PROPRIETARY EPOXY PREPOLYMERS

### SECTION 3: PHYSICAL DATA

**BOILING POINT:** NA  
**VAPOR PRESS:** NA  
**VAP DENSITY (AIR=1):** NA  
**APPEARANCE AND ODOR:** WHITE HEAVY PASTE. ALMOST NO ODOR.

**SOL. IN WATER:** NONE  
**SP. GRAVITY:** 1.5-1.6  
**VOLATILE BY VOL:** <0.1

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** >450° F  
**METHOD USED:** ASTM D92-96, TOC  
**EXTINGUISHING MEDIA:** FOAM, CO<sub>2</sub>, DRY CHEMICAL.  
**SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS:** NONE

**FLAMMABLE LIMITS (STP IN AIR)**  
**LFL:** NOT DETER. **UFL:** NOT DETER.

### SECTION 5: HEALTH HAZARD DATA

**INGESTION: LOW SINGLE ORAL TOXICITY: LD50 (RAT) :** >2000 MG/KG.  
**EYE CONTACT:** MINOR TRANSIENT IRRITATION. NO CORNEAL INJURY LIKELY. SKIN  
**CONTACT:** ONLY MINOR IRRITATION. MAY BE SKIN SENSITIZER.  
**SKIN ABSORPTION:** NOT LIKELY TO BE ABSORBED IN TOXIC AMOUNTS.  
**INHALATION:** NOT LIKELY A PROBLEM AT ROOM TEMPERATURE. VAPORS FROM HEATED  
**EFFECT OF OVEREXPOSURE:** NONE KNOWN.

#### FIRST AID PROCEDURES:

**EYES:** IRRIGATE WITH FLOWING WATER IMMEDIATELY FOR AT LEAST 10 MINUTES. REFER TO MEDICAL PERSONNEL  
**SKIN:** CONTACT WILL PROBABLY CAUSE NO MORE THAN IRRITATION. FLUSH SKIN WITH WATER OR SOAP WATER. WASH CLOTHING BEFORE REUSE.  
**INHALATION:** REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL PERSONNEL.  
**INGESTION:** LOW IN TOXICITY. INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED.

**NOTE TO PHYSICIAN:**

**EYES:** INJURY IS UNLIKELY. STAIN FOR EVIDENCE OF CORNEAL INJURY. CONSULT OPHTHALMOLOGIST.

**SKIN:** MAY CAUSE MODERATE IRRITATION. TREAT AS ANY CONTACT DERMATITIS. KNOWN OR SUSPECTED WEAK SENSITIZER. NOT LIKELY TO BE ABSORBED IN ACUTELY TOXIC AMOUNTS. RESPIRATORY: INJURY IS UNLIKELY.

**ORAL:** LOW IN TOXICITY.

**SYSTEMIC:** HUMAN EFFECTS NOT ESTABLISHED. NO SPECIFIC ANTIDOTE. TREATMENT BASED ON THE SOUND JUDGMENT OF THE PHYSICIAN AND THE INDIVIDUAL REACTION OF THE PATIENT.

**SECTION 6: REACTIVITY DATA**

**STABILITY:** STABLE UNDER NORMAL CONDITIONS. PROLONGED EXCESSIVE HEAT MAY CAUSE PARTIAL DEGRADATION.

**INCOMPATIBILITY:** ACTIVE ACIDS AND BASES.

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE UNDER NORMAL CONDITIONS.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR BY ITSELF, BUT MASSES OF MORE THAN -5 LBS. OF PRODUCT PLUS AN ALIPHATIC AMINE MAY CAUSE IRREVERSIBLE REACTION WITH CONSIDERABLE HEAT BUILDUP.

**SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES**

**ACTION TO TAKE FOR SPILLS (USE APPROPRIATE SAFETY EQUIPMENT):** SOAK IN ABSORBENT MATERIAL OR SCRAPE UP. RESIDUAL RESIN CAN BE REMOVED BY USE OF NON-FLAMMABLE SOLVENT SUCH AS METHYLENE CHLORIDE.

**DISPOSAL METHOD:** BURY IN APPROPRIATE LANDFILL (OPTIONAL) BURN COMBUSTIBLE PORTION IN ADEQUATE INCINERATOR.

**SECTION 8: SPECIAL HANDLING INFORMATION**

**VENTILATION:** SUFFICIENT TO MINIMIZE VAPOR EXPOSURE IF GENERATED.

**RESPIRATORY PROTECTION:** NONE UKELY NEEDED.

**PROTECTIVE CLOTHING:** CLEAN, BODY-COVERING CLOTHING. DISPOSABLE PLASTIC OR RUBBER GLOVES. DISPOSABLE CONTAINERS AND PAPER IN WORK AREA.

**EYE PROTECTION:** SAFETY GLASSES WITHOUT SIDE SHIELDS.

**SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** NONE EXCEPT NORMAL HANDLING CARE. PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID EYE AND SKIN CONTACT. AVOID BREATHING VAPORS IF GENERATED.

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THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.



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# Material Safety Data Sheet

### SECTION 1: PRODUCT IDENTIFICATION

EFFECTIVE DATE: 12-01-97

PRODUCT NAME: ABOCURE 55-1

CLASS: FORMULATED AMINE PASTE

PRODUCT CODE: 55-1B

TYPE: EPOXY CURING AGENT

### SECTION 2: HAZARDOUS INGREDIENTS

PROPRIETARY AMINES

### SECTION 3: PHYSICAL DATA

BOILING POINT: NA

VAPOR PRESS: NA

VAP DENSITY (AIR=1): NA

APPEARANCE AND ODOR: BLACK HEAVY PASTE. LIGHT AMMONIA ODOR.

SOL. IN WATER: NA

SP. GRAVITY: 1.4-1.5

% VOLATILE BY VOL: <0.1

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >450° F

METHOD USED: ASTM D92-96

EXTINGUISHING MEDIA: FOAM, CO<sub>2</sub>, DRY CHEMICAL. SPECIAL FIRE FIGHTING

EQUIPMENT AND HAZARDS: NONE

FLAMMABLE LIMITS (STP IN AIR)

LFL: NOT DETER. UFL: NOT DETER.

### SECTION 5: HEALTH HAZARD DATA

INGESTION: LD<sub>50</sub> > 16 G/KG.

EYE CONTACT: EXTREME IRRITATION.

SKIN CONTACT: ONLY MINOR IRRITATION. PRIMARY IRRITATION TEST SCORE 1.2.

SKIN ABSORPTION: NO SIGNIFICANT HAZARD. LD<sub>50</sub> = 6.5 G/KG

INHALATION: NOT LIKELY A PROBLEM AT ROOM TEMPERATURE. VAPORS FROM HEATED MATERIAL MAY BE IRRITATING.

EFFECT OF OVEREXPOSURE: MAY CAUSE SKIN SENSITIZATION. NONE OTHER KNOWN.

#### FIRST AID PROCEDURES:

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY FOR 5 MINUTES. REFER TO MEDICAL PERSONNEL.

SKIN: WIPE OFF EXCESS. SCRUB WITH SOAP & WATER, FOLLOWED BY WATER RINSE. WASH CLOTHING BEFORE REUSE.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL PERSONNEL.

INGESTION: LOW IN TOXICITY. INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED.

## NOTE TO PHYSICIAN:

EYES: EXTREMELY IRRITATING. STAIN FOR EVIDENCE OF CORNEAL INJURY. CONSULT OPHTHALMOLOGIST.

SKIN: ACUTE DERMAL TOXICITY. TREAT AS CONTACT DERMATITIS. KNOWN OR SUSPECTED SENSITIZER. NOT LIKELY TO BE ABSORBED IN ACUTELY TOXIC AMOUNTS.

RESPIRATORY: INJURY IS UNLIKELY.

ORAL: TOXICITY: LD50 >16 G/KG.

SYSTEMIC: HUMAN EFFECTS NOT ESTABLISHED. NO SPECIFIC ANTIDOTE. TREATMENT BASED ON THE SOUND JUDGMENT OF THE PHYSICIAN AND THE INDIVIDUAL REACTION OF THE PATIENT.

## SECTION 6: REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS. PROLONGED EXCESSIVE HEAT MAY CAUSE PARTIAL DEGRADATION.

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: NONE.

## SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS (USE APPROPRIATE SAFETY EQUIPMENT): SOAK IN ABSORBENT MATERIAL OR SCRAPE UP. SCRUB WITH 5% ACETIC ACID TO EMULSIFY; RINSE WITH VERY HOT WATER.

DISPOSAL METHOD: BURY IN APPROPRIATE LANDFILL. (OPTIONAL) BURN COMBUSTIBLE PORTION IN ADEQUATE INCINERATOR.

## SECTION 8: SPECIAL HANDLING INFORMATION

VENTILATION: SUFFICIENT TO MINIMIZE VAPOR EXPOSURE IF GENERATED.

RESPIRATORY PROTECTION: NONE NEEDED.

PROTECTIVE CLOTHING: CLEAN, BODY-COVERING CLOTHING. DISPOSABLE PLASTIC OR RUBBER GLOVES. DISPOSABLE CONTAINERS AND PAPER IN WORK AREA.

EYE PROTECTION: SAFETY GLASSES.

## SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NONE EXCEPT NORMAL HANDLING CARE. PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID EYE AND, SKIN CONTACT. AVOID BREATHING VAPORS IF GENERATED.

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