

---

# SWD URETHANE COMPANY

## Material Safety Data Sheet

---

MSDS-SWD 106 "B"

1 APRIL 2007

---

SWD 106 "B"

---

### 1. CHEMICAL PRODUCT/ COMPANY IDENTIFICATION

---

#### Material Identification:

**PRODUCT NAME**.....SWD 106 "B"  
**CHEMICAL FAMILY** .....Polyurethane Resin  
**CHEMICAL NAME**.....NA  
**SYNONYMS**.....NA  
**CAS NUMBER** .....Mixture  
**FORMULA**.....Trade Secret

#### Company Identification MANUFACTURER/DISTRIBUTOR

SWD Urethane Company  
 539 South Drew Street  
 Mesa, Arizona 85210

#### PHONE NUMBERS

Transportation Emergency/ Chemtrec: 1-800-424-9300  
 SWD Urethane Company/ Emergency: 1-800-828-1394

---

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

---

#### Materials:

INGREDIENT NAME	CAS NUMBER	CONCENTRATION
Polyol Blend.....	Undisclosed.....	50 - 70%
Water.....	7732-18-5.....	15 - 30 %
Halogenated Phosphate ...	13674-84-5.....	8 - 25%
Alkanolamine & Tertiary amine catalyst..	.....	<4.0 %

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

---

### 3. HAZARDS IDENTIFICATION

---

\*\*\*\*\*EMERGENCY OVERVIEW\*\*\*\*\*  
 \* IRRITANT TO RESPIRATORY PASSAGES, EYES AND \*  
 \* SKIN. VISCIOUS LIGHT BROWN \*  
 \*\*\*\*\*

#### Potential Health Effects:

EYE: Contact may cause severe irritation.

SKIN: Contact may cause irritation.

INGESTION: May cause irritation to digestive tract.

INHALATION: Irritation of the nose, throat, and lungs may result from exposure to vapors or mist.

CHRONIC (CANCER) INFORMATION: Lead compounds are classified as carcinogens.

LONG TERM TOXIC EFFECTS: Not known.

Note: Please see MSDS A Side for a complete evaluation of hazard information

---

### 4. FIRST AID MEASURES

---

#### First Aid:

INHALATION: Remove to fresh air.

SKIN CONTACT: Wash thoroughly. Consult medical personnel if irritation develops.

EYE CONTACT: Irrigate eyes with running water for at least 15 minutes. Get medical attention.

INGESTION: Induce vomiting. Call a physician.

Note To Physician: Please offer supportive care as indicated.

---

### 5. FIRE FIGHTING MEASURES

---

FLASH POINT.....None

EXTINGUISHING MEDIA.....Dry chemical, carbon dioxide, water

SPECIAL FIRE FIGHTING PROCEDURES - Self-contained breathing apparatus.

Fire Fighters must protective clothing.

NFPA Hazard Code; Health: 2, Flammability: 1. Reactivity 0, Special Hard None

---

### 6. ACCIDENTAL RELEASE MEASURES

---

#### Safeguards (Personnel):

Evacuate area surrounding large spill and prevent further spillage and entry into water drains.

Eye and skin care protection should be worn during clean-up.

Cove spill with dirt, sand sawdust or other absorbent material. Collect absorbed material in open bags and dispose in landfill.

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

---

## 7. HANDLING AND STORAGE

---

STORAGE TEMPERATURE (MIN/MAX): 40 deg. F/ 90 deg. F  
 SHELF LIFE: .....Six months  
 SPECIAL SENSITIVITY: .....Maintain in sealed drum, as volatile blowing agent will evaporate.  
 HANDLING/STORAGE PRECAUTIONS:.....Keep containers tightly sealed to avoid loss of blowing agent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

EYE PROTECTION REQUIREMENTS: .....Safety glasses with splash guards.  
 SKIN PROTECTION REQUIREMENTS: .....Wear rubber gloves.  
 RESPIRATOR REQUIREMENTS: .....Cartridge respirator for organic vapors if exposure is in non-ventilated area.  
 VENTILATION REQUIREMENTS: .....Good general ventilation.  
 MONITORING: .....Not required  
 MEDICAL SURVEILLANCE: .....As required by physician.  
 ADDITIONAL PROTECTIVE MEASURES: Eye wash stations and emergency showers are recommended.  
 Eye Wash stations and safety showers should be available.

### Exposure Guidelines / Exposure Limits:

HFC 245fa  
 AIHA (WEEL): 500 ppm

### Tertiary Amine Catalyst

OSHA (TLV): 5 ppm  
 ACGIH (PEL): 25 ppm

### HMIS HAZARD CODE:

Health: 2  
 Flammability: 0  
 Reactivity: 0

### Lead Compounds

ACGIH (TLV): 0.05 mg/m<sup>3</sup>

### PPE: Personnel Protective

Safety Glasses, Gloves

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

PHYSICAL FORM.....VISCOUS LIQUID  
 COLOR.....LIGHT BROWN  
 ODOR.....SLIGHT AMINE ODOR  
 MOLECULAR WEIGHT.....NA  
 pH.....7.5-8.5  
 BOILING POINT.....water boils @ 212 deg. F  
 MELTING/FREEZING POINT.....NE  
 SOLUBILITY IN WATER.....Slight  
 SPECIFIC GRAVITY.....1.21  
 BULK DENSITY.....10.1 lb./gal.  
 % VOLATILE BY VOLUME (Water).....15 - 30 %  
 VAPOR PRESSURE.....1 – 10 psig  
 VAPOR DENSITY.....>1 (air=1)

## 10. STABILITY AND REACTIVITY

---

STABILITY: .....Stable  
 HAZARDOUS POLYMERIZATION: .....Does not occur.

INCOMPATIBILITIES: ..... Reacts rapidly with isocyanates.  
 INSTABILITY CONDITIONS: ..... High temperatures and isocyanates.  
 DECOMPOSITION PRODUCTS: ..... Oxides of carbon and nitrogen.

---

## 11. TOXICOLOGICAL INFORMATION

---

**Toxicity Data** LD50 Oral: ..... Not Established  
 LD50 Dermal: ..... Not Established  
 LC 50 Inhalation: ..... Not Established

ROUTE(S) OF ENTRY ..... Inhalation  
 Skin  
 Ingestion ..... (not likely)

### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION: ..... Odors and vapors can be annoying and irritating.  
 CHRONIC INHALATION: ..... None known.  
 ACUTE SKIN CONTACT: ..... Irritating rash, redness or drying of skin.  
 CHRONIC SKIN CONTACT: ..... None known.  
 ACUTE EYE CONTACT: ..... Severe Irritation.  
 CHRONIC EYE CONTACT: ..... None known.  
 ACUTE INGESTION: ..... Ingestion is unlikely but could cause irritation to mouth and stomach.  
 CHRONIC INGESTION: ..... None known.  
 CARCINOGENICITY: ..... Lead compounds are listed as carcinogens.

### MEDICAL CONDITIONS:

AGGRAVATED BY EXPOSURE: ..... Irritation to eyes and skin.

---

## 12. ECOLOGICAL INFORMATION

---

No data.

---

## 13. DISPOSAL CONSIDERATIONS

---

### **Waste Disposal:**

**this material is not a hazardous waste under RCRA 40 CFR 261 when discarded in its original form Chemical waste should never be poured into, drains, sewers or waterways.**  
 Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

---

## 14. TRANSPORTATION INFORMATION

---

TECHNICAL SHIPPING NAME:.....Polyurethane Resin  
 FREIGHT CLASS BULK: .....40  
 FREIGHT CLASS PACKAGE:.....60  
 PRODUCT LABEL:.....**SWD 106 "B"**

DOT (HM-181) .....  
 PROPER SHIPPING NAME .....Not Regulated  
 HAZARD CLASS OF DIVISION.....Non-hazardous

IMO/IMDG CODE .....  
 PROPER SHIPPING NAME .....Polyurethane Resin  
 HAZARD CLASS DIVISION NUMBER. ...Non-hazardous

ICAO/IATA.....  
 PROPER SHIPPING NAME .....Polyurethane Resin

---

## 15. REGULATORY INFORMATION

---

OSHA STATUS.....Hazardous according to OSHA (1910.1200)  
 TSCA STATUS .....All ingredients are listed on the Toxic  
 Substances Control Act (TSCA) Chemical  
 Substance Inventory.

CERCLA REPORTABLE QUANTITY .....NA

SARA TITLE III:

SECTION 313

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 (40CFR372)

TOXIC CHEMICALS .....Glycol Ethers .....N230 .....7-10 %  
 .....Lead Compound .... N420 ..... Trace %

This law requires that certain industrial facilities which manufactures/uses these chemicals to report annually on emissions and waste management of these chemicals. Additional information is available at the EPA's EPCRA hotline: 800-424-9346.

---

## 16. OTHER INFORMATION

---

**Additional Information:**

NA = Not Applicable

NE = Not Established

# = Indicates updated section

**STATE RIGHT-TO-KNOW LAWS**

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:  
 Lead compound.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.

-----  
This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of SWD Urethane Company. The data on this sheet relates only to the specific material designated herein. SWD Urethane Company. assumes no legal responsibility for use or reliance upon this data.

**Responsibility for MSDS :**

SWD Urethane Company  
539 South Drew Street  
Mesa, Arizona 85210  
1-800-828-1394