



MATERIAL SAFETY DATA SHEET

INSTAbond® AD-80

Solvent Based Adhesive

Specifications:

A-A-1936 Type 1

National Stock Numbers:

8040-00-779-9595 – Pint Kit

8040-01-433-5250 – Quart Kit

8040-00-058-2399 – Quart Kit

8040-00-779-9597 – Gallon Kit

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Product Name: INSTAbond® AD-80

Company: ACCRAbond, Inc.
8848 Hacks Cross Road
Olive Branch, MS 38654-1827

Emergency Phone

Numbers: ACCRAbond: 800-895-4480
ChemTrec: 800-424-9300

SECTION 2: INFORMATION ON COMPONENTS

Chemical Name	CAS Number	Weight%	ACGIH TLV	ACGIH STEL	OSHA-PEL TWA
Hexane	110-54-3	20	50 ppm	N/A	500ppm
Toluene	108-88-3	30	100 ppm	N/A	100ppm
Methyl Ethyl Ketone	78-93-3	25	200 ppm	N/A	200ppm

SECTION 3: HAZARDS IDENTIFICATION

Primary Entry Routes: Inhalation, skin absorption, skin contact, eye contact, and ingestion.

Target Organs: Prolonged intentional abuse may lead to damage of the central and peripheral nervous system, vision, hearing, liver, kidneys, heart and blood.



ACUTE EFFECTS

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal storage and handling is not likely to cause harmful effects. Symptoms usually occur at air concentrations exceeding the recommended exposure limits.

Eye: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling.

Ingestion: Not a likely route of exposure. Large amounts may be harmful. This material can get into the lungs during swallowing or vomiting which will likely cause lung injury.

Carcinogenicity: IARC, NTP, and OSHA do not list product as a carcinogen.

Long-Term Exposure: Signs and symptoms of exposure to this material through breathing, swallowing and passage of the material through the skin may include: metallic taste, stomach or intestinal upset, irritation, central nervous system depression, central nervous system excitation, followed by central nervous system depression and other central nervous system effects, temporary changes in mood and behavior, muscle weakness, loss of coordination, confusion, irregular heartbeat, coma, and death.

HMIS RATING: Health – 1 Flammability – 3 Reactivity – 0

SECTION 4: FIRST AID MEASURES

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Eye Contact: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

After first aid, get appropriate in-plant, paramedic, or community medical support

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 45 F (TCC Method)

Auto Ignition Temp: 511 F

LEL: 1.8

UEL: 11.6



Classification: FLAMMABLE

Extinguishing Media: Regular foam, carbon dioxide, dry chemical

Fire/Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, or any other source of ignition.

Combustion Products: Carbon dioxide, carbon monoxide and various hydrocarbons

NFPA Rating: Health – 1 Flammability – 3 Reactivity – 0

Fire-Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Do not release runoff into sewers or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spills: Eliminate all sources of ignition such as flares, flames, and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spills: Eliminate all sources of ignition (same as Small Spills). Stop spill at source wearing proper equipment. Prevent from entering drains, sewers, and waterways. Pump or vacuum product into suitable containers for recovery. Absorb unrecoverable product and transfer to suitable containers. Notify proper authorities.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Contact a licensed contractor for detailed recommendations. Federal, state, and local laws are applicable.

Ecological Information: No data available

SECTION 7: HANDLING & STORAGE

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions in the data sheet must be observed. All pails and drums, including tank wagons and tank cars, should be properly grounded or bonded when material is transferred. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden influx of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Keep in a cool, well-ventilated area away from excessive heat, sources of sparks/ignition, and open flames.

Keep containers tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Section 2)



Respiratory Protection: Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. For emergency or non-routine situations (cleaning spills, large tanks, ect), wear self contained breathing apparatus. Follow all written respiratory protection programs as required by OSHA.

Protective Clothing: Wear chemically protective gloves, boots, aprons and gauntlets to prevent prolonged skin contact. Wear chemical safe goggles per OSHA eye-and-face protection regulations (29 CFR 1910.133). Do not wear contact lenses when working with or around this product.

Other Information: Make eyewash stations, shower stations and wash facilities available. Use good hygiene (both personal and industrial) when working with this product.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid

Water Solubility: Insoluble

Appearance / Odor: Tan / Sweet

Boiling Point: 150 – 160 F

Vapor Pressure: 180 mm Hg @ 70 F

Freezing / Melting Point: Less than –76 F

Specific Gravity: 0.87

% VOC: 78.0 (5.42ppg)

pH: N/A

Evaporation Rate: 15.5 approximate

SECTION 10: STABILITY & REACTIVITY

Stability: Product is stable at room temperature in closed containers under normal conditions.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong acids and strong oxidizing agents.

Conditions to Avoid: Extreme temperatures.

Decomposition Products: Carbon dioxide, carbon monoxide, and various hydrocarbons.

SECTION 11: TOXICOLOGY INFORMATION

Chemical Name	CAS Number	Acute Oral LD50	Acute Dermal LD 50
Mercaptan Polymer	Trade secret	N/R	>4.8/8 ml/kg (rabbit)



SECTION 12: DISPOSAL INFORMATION

Dispose in accordance with federal, state and local regulations. This product is not classified as RCRA hazardous waste.

SECTION 13: TRANSPORTATION INFORMATION

Department of Ground Transportation (49 CFR): Proper Shipping Name: Adhesive, containing a flammable liquid
 Hazard Class / Division: 3
 Identification Number: UN1133
 Packing Group: II
 Marine Pollutant: None
 International Air Transportation (ICAO/IATA):
 Proper Shipping Name: Adhesive, containing a flammable liquid
 Hazard Class / Division: 3
 Identification Number: UN 1133
 Packing Group: II

SECTION 14: REGULATORY INFORMATION

Sara Title III Section 302/304 Extremely Hazardous Substance

Component CAS#	RQ (lbs)	TPQ (lbs)	None
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CERCLA Section 102(a) Hazardous Substance

Component	CAS#	RQ (lbs)
Hexane	110-54-3	5,000 lbs
Toluene	108-88-3	1,000
Methyl Ethyl Ketone	78-93-3	5,000

Sara Title III Section 311 Hazard Categorization

Acute (X) Chronic (X) Fire (X) Pressure () Reactive () NA ()

SARA Title III Section 313 Supplier Information

Component	CAS#
Hexane	110-54-3
Toluene	108-88-3

SECTION 15: OTHER

To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot



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guarantee that these are the only hazards that exist..