



ULTRADEL B200
Diluent for Adhesion Promoter

MATERIAL SAFETY DATA SHEET

MSDS No. 07246000
ENGLISH

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ULTRADEL B200

MANUFACTURER/SUPPLIER:
Amoco Chemical Company
200 East Randolph Drive
Chicago, Illinois 60601 U.S.A.

EMERGENCY HEALTH INFORMATION:
1 (800) 447-8735

EMERGENCY SPILL INFORMATION:
1 (800) 424-9300 CHEMTREC (USA)

OTHER PRODUCT SAFETY INFORMATION:
(312) 856-3304

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Range % by Wt.</u>
Methanol	67-56-1	95

(See Section 8.0, "Exposure Controls/Personal Protection", for exposure guidelines)

3.0 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Danger! Flammable. Contains methanol. Can be fatal or cause blindness if swallowed, inhaled, or on prolonged or repeated skin contact. Causes eye irritation.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Can be fatal or cause blindness on prolonged or repeated skin contact. See "Toxicological Information" section (Section 11.0).

INHALATION: Can be fatal or cause blindness if inhaled. See "Toxicological Information" section (Section 11.0).

INGESTION: Can be fatal or cause blindness if swallowed. See "Toxicological Information" section (Section 11.0).

HMIS CODE: (Health:2) (Flammability:3) (Reactivity:0)

NFPA CODE: (Health:2) (Flammability:3) (Reactivity:0)

4.0 FIRST AID MEASURES

EYE: Immediately flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

SKIN: Immediately wash exposed skin with soap and water. Remove contaminated clothing and thoroughly clean and dry before reuse. Get medical attention if adverse health effects occur.

INHALATION: If adverse effects occur, immediately remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

INGESTION: If swallowed, drink plenty of water. Induce vomiting only at the instructions of a physician. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

FLASHPOINT: 53°F(12°C) ASTM D56

UEL: Not determined.

LEL: Not determined.

AUTOIGNITION TEMPERATURE: Not determined.

FLAMMABILITY CLASSIFICATION: Flammable Liquid.

EXTINGUISHING MEDIA: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid. Product gives off vapors that are heavier than air which can travel considerable distances to a source of ignition and flashback.

FIRE-FIGHTING EQUIPMENT: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

PRECAUTIONS: Keep away from sources of ignition (e.g., heat and open flames). Keep container closed. Use with adequate ventilation.

HAZARDOUS COMBUSTION PRODUCTS: Burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

6.0 ACCIDENTAL RELEASE MEASURES

Remove or shut off all sources of ignition. Remove mechanically or contain on an absorbent material such as dry sand or earth.

7.0 HANDLING AND STORAGE

HANDLING: Keep away from ignition sources (e.g., heat, sparks, or open flames). Use with adequate ventilation.

STORAGE: Store in flammable liquids storage area. Store away from heat, ignition sources, and open flame in accordance with applicable regulations. Keep container closed. Segregate from acids. Keep adequately ventilated.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE: Do not get in eyes. Wear chemical goggles.

SKIN: Avoid skin contact. Wear clothing and gloves that cannot be penetrated by chemicals or oil.

INHALATION: Do not breathe mist or vapor. Use with adequate ventilation. If ventilation is inadequate, use supplied- air respirator approved by NIOSH/MSHA.

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines.

EXPOSURE GUIDELINES:

<u>Component</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Methanol	67-56-1	OSHA PEL: 200ppm (skin) (1989)(1971) OSHA STEL: 250ppm (skin) (1989); Not established. (1971) ACGIH TLV-TWA: 200ppm (skin) ACGIH TLV-STEL: 250ppm (skin)

9.0 CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Liquid. Clear. Colorless. Alcohol odor.
pH:	Not determined.
VAPOR PRESSURE:	138mm Hg at 77°F
VAPOR DENSITY:	Not determined.
BOILING POINT:	147°F(64°C) (ATSM D86)
MELTING POINT:	Not determined.
SOLUBILITY IN WATER:	Infinitely soluble.
SPECIFIC GRAVITY (WATER=1):	0.81 at 60°F ASTM D4052
VISCOSITY:	Less than 2 cP at 20°C

10.0 STABILITY AND REACTIVITY

STABILITY: Burning can be started easily.

CONDITIONS TO AVOID: Keep away from ignition sources (e.g. heat, sparks, and open flames).

MATERIALS TO AVOID: Avoid chlorine, fluorine, and other strong oxidizers.

HAZARDOUS DECOMPOSITION: None identified.

HAZARDOUS POLYMERIZATION: Will not occur.

11.0 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA:

EYE IRRITATION: Testing not conducted. See Other Toxicity Data.

SKIN IRRITATION: Testing not conducted. See Other Toxicity Data.

DERMAL LD50: Testing not conducted. See Other Toxicity Data.

ORAL LD50: Testing not conducted. See Other Toxicity Data.

INHALATION LC50: Testing not conducted. See Other Toxicity Data.

OTHER TOXICITY DATA:

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

Methanol: Ingestion of methanol or gross overexposure to methanol vapors or mist can cause blindness, metabolic acidosis, and can be fatal. It can cause headache, giddiness, gastrointestinal disturbances, fatigue, inebriation, irritability, narcosis, and eye irritation. Prolonged or repeated skin contact with methanol can also cause poisoning. Once ingested, methanol is rapidly absorbed and distributed throughout the body. Methanol and its metabolites are slowly eliminated from the body, hence repeated exposures to low concentrations result in an increasing concentration in blood and tissue. Death from ingestion of less than 30 ml has been reported in humans. Rat oral LD50: 5628 mg/kg; rat inhalation LC50: 64,000 ppm/4 hour; rabbit dermal LD50: 15,800 mg/kg.

No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).

12.0 ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13.0 DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations. Determine waste classification at time of disposal. Conditions of use may render the spent product a hazardous waste. Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

The container for this product can present explosion or fire hazards, even when emptied! To avoid risk of injury, do not cut, puncture, or weld on or near this container. Since the emptied containers retain product residue, follow label warnings even after container is emptied.

14.0 TRANSPORTATION INFORMATION

U.S. DEPT OF TRANSPORTATION

Shipping Name	:	Methanol Solution
Hazard Class	:	3(6.1)(9)
Identification Number	:	UN1230
Packing Group	:	II

INTERNATIONAL INFORMATION:

Sea (IMO/IMDG)

Shipping Name	:	Methanol Solution
Class	:	3.2(6.1)
Packing Group	:	II
UN Number	:	UN1230

Air (ICAO/IATA)

Shipping Name	:	Methanol Solution
Class	:	3
Subsidiary Class	:	6.1
Packing Group	:	II

European Road/Rail (ADR/RID)

Shipping Name	:	Not determined.
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Canadian Transportation of Dangerous Goods

Shipping Name	:	Methanol Solution
Hazard Class	:	3.2
Subsidiary Class	:	6.1
UN Number	:	UN1230
Packing Group	:	II

15.0 REGULATORY INFORMATION

CERCLA SECTIONS 102A/103 HAZARDOUS SUBSTANCES (40 CFR PART 302.4): This product is reportable under 40 CFR Part 302.4 because it contains the following substance(s):

Component/CAS Number	Weight %	Component Reportable Quantity (RQ)
Methanol 67-56-1	95	5,000 lbs.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR PART 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIZATION (40 CFR PART 370): This product is defined as hazardous by OSHA under 29 CFR Part 1910.1200(d). Hazardous categories for this product are: Acute = yes; Chronic = no; Fire = yes; Pressure = no; Reactive = no.

SARA TITLE III SECTION 313 (40 CFR PART 372): This product contains the following substance(s), which is on the Toxic Chemicals List in 40 CFR Part 372:

Component/CAS Number	Weight Percent
Methanol 67-56-1	95

U.S. INVENTORY (TSCA): Listed on inventory.

OSHA HAZARD COMMUNICATION STANDARD: Toxic. Flammable liquid.

WHMIS CONTROLLED PRODUCT CLASSIFICATION: B2, D1B,

EC INVENTORY (EINECS/ELINCS): In compliance.

JAPAN INVENTORY (MITI): Listed on inventory.

AUSTRALIA INVENTORY (AICS): Not determined.

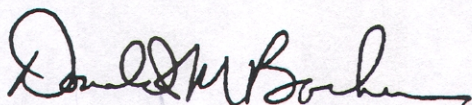
KOREA INVENTORY (ECL): Not determined.

CANADA INVENTORY (DSL): All of the components of this product are listed on the DSL.

PHILIPPINE INVENTORY (PICCS): Not determined.

16.0 OTHER INFORMATION

BY:



| Donald M. Barker, Director
Product Stewardship & Toxicology

Issued: July 15, 1994
Supersedes: September 27, 1993

This material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.