



**UNITED  
ASPHALT**

MATERIAL SAFETY DATA SHEET

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HMIS RATING  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0

**SECTION 1- CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION**

IDENTITY: AP 3200 – 100% FINISH COAT

MANUFACTURER:  
UNITED ASPHALT COMPANY  
PO BOX 291  
CEDAR BROOK NJ 08018

PHONE # 856-753-9811  
24 HR CHEMTREC EMERGENCY  
# 800-424-9300

DATE: September 10, 2007

**SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS**

| <u>HAZARDOUS COMPONENTS</u> | <u>CAS #</u> | <u>OSHA PEL</u>            | <u>WT%</u> |
|-----------------------------|--------------|----------------------------|------------|
| AQUA AMONIA                 | 1336-21-6    | ACGIH TWA 25 PPM           | <1.00      |
| ETHYLENE GLYCOL             | 107-21-1     | NONE ESTABLISHED           | 1-5        |
| ACRYLIC POLYMERS            | NA           | NA                         | 30-40      |
| CALCIUM CARBONATE           | 1317-65-3    | 10mg/m <sup>3</sup> (dust) | 25-35      |
| ZINC OXIDE                  | 1314-13-2    | 10mg/m <sup>3</sup> (dust) | 1-5        |
| TITANIUM DIOXIDE            | 13463-67-7   | 10mg/m <sup>3</sup> (dust) | 5-10       |
| PETROLEUM BASED DEFOAMER    | Proprietary  | 5 mg/m <sup>3</sup> TWA    | <1.00      |
| WATER                       |              | NA                         | 30-35      |

PROPOSITION 65 STATEMENT: CERTAIN RAW MATERIAL USED IN MAKING THIS PRODUCT MAY CONTAIN SMALL AMOUNTS OF MATERIAL AND IMPURITIES WHICH ARE REGULATED BY PROPISITION 65.

**SECTION 3 – PHYSICAL CHEMICAL CHARACTERISTICS**

|                       |                     |
|-----------------------|---------------------|
| APPEARANCE            | SEMI VISCOUS LIQUID |
| STATE                 | LIQUID              |
| ODOR CHARACTERISTIC   | MILD AMMONIA ODOR   |
| VAPOR DENSITY (AIR=1) | HEAVIER THAN AIR    |
| VAPOR PRESSURE        | NO DATA             |
| WEIGHT PER GALLON     | 11.5 – 12.5         |
| BOILING POINT         | 250° F              |
| SOLUBILITY IN WATER   | SOLUBLE             |
| VOC                   | < 100 GRAMS/LITER   |
| EVAPORATION RATE      | SLOWER THAN ETHER   |

THE PHYSICAL AND CHEMICAL DATA GIVEN IN SECTION 3 ARE TYPICAL VALUES FOR THIS PRODUCT AND ARE NOT INTENDED TO BE PRODUCT SPECIFICATIONS.

**SECTION 4 – FIRE AND EXPLOSION HAZARD DATA**

|                     |   |
|---------------------|---|
| FLASH POINT         | NON-COMBUSTIBLE                                 |
| EXTINGUISHING MEDIA | FOAM, CO <sub>2</sub> , DRY CHEMICAL, WATER FOG |

PERSONAL PROTECTIVE EQUIPMENT: AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

PRESSURE MAY BUILD UP IN TIGHTLY CLOSED CONTAINERS EXPOSED TO FIRE WHICH MAY RESULT IN RUPTURE. KEEP CONTAINERS COOLED WITH WATER SPRAY. MATERIAL CAN SPATTER ABOVE 100°C/212°F.

## **SECTION 5 – REACTIVITY DATA**

STABILITY: **STABLE.** HOWEVER, AVOID TEMPERATURES ABOVE 177°C/350°F THE ONSET OF POLYMER DECOMPOSITION. THERMAL DECOMPOSITION IS DEPENDENT ON TIME AND TEMPERATURE.

HAZARADOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD ACRYLIC MONOMERS.

HAZARADOUS POLYMERIZATION: PRODUCT WILL NOT UNDERGO HAZARADOUS POLYMERIZATION.

INCOMPATIBILITY: NONE KNOWN.

## **SECTION 6 – HEALTH HAZARD DATA**

PRIMARY ROUTES OF EXPOSURE: INHALATION – SKIN CONTACT – EYE CONTACT

INHALATION: INHALATION OF VAPOR OR MIST CAN CAUSE THE FOLLOWING: IRRITATION OF NOSE, THROAT AND LUNGS.

EYE CONTACT: MATERIAL CAN CAUSE THE FOLLOWING: SLIGHTLY IRRITATING TO THE EYES.

SKIN CONTACT: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE THE FOLLOWING: MODERATE SKIN IRRITATION – REDDENING.

INGESTION: MATERIAL IS HARMFUL IF SWALLOWED. MATERIAL CAN CAUSE THE FOLLOWING: GASTROINTESTINAL IRRITATION – NAUSEA – VOMITING.

## **EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: MOVE SUBJECT TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION IMMEDIATELY.

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EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, SEE A PHYSICIAN.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, SEE A PYSICIAN.

INGESTION: **DO NOT INDUCE VOMITING**. GIVE MILK OR WATER TO DRINK. GET MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR.

NOTE TO PHYSICIAN: NO SPECIFIC ANTIDOTE, TREAT SYMPTOMATICALLY.

## **SECTION 7 – PRECAUTIONS FOR HANDLING AND USE**

WEAR COMPATIBLE, CHEMICALLY RESISTANT GLOVES. WEAR PROTECTIVE CLOTHING INCLUDING SPLASH PROOF GOGGLES AND RUBBER OVERSHOES.

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

CONTAIN SPILLS IMMEDIATELY WITH INERT MATERIALS (E.G. SAND, EARTH). IF MATERIAL IS SPILLED IN A CONFINED AREA VENTILATE THE AREA WELL. KEEP SPECTATORS AWAY. FLOOR MAY BE SLIPPERY; USE CARE TO AVOID FALLING. TRANSFER LIQUIDS AND SOLID DIKING MATERIAL TO SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL. KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER

## **SECTION 8 – PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

STORAGE CONDITIONS: AVOID TEMPERATURE EXTREMES DURING STORAGE; AMBIENT TEMPERATURE PREFERRED. STORE IN WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEEZING. STORE MATERIAL OUT OF DIRECT SUN.

**HANDLING PROCEDURES:** USE IN WELL VENTILATED AREAS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM EXCESSIVE HEAT AND OPEN FLAMES. DO NOT WORK ALONE! KEEP OUT OF THE REACH OF CHILDREN!

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**OTHER:** IMPROPER DISPOSAL OR RE-USE OF THIS CONTAINER MAY BE DANGEROUS AND ILLEGAL. REFER TO APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

## **SECTION 9 – CONTROL MEASURES**

**RESPIRATORY PROTECTION:** A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS OR EQUIVALENT MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. NONE REQUIRED UNDER NORMAL OPERATON CONDITIONS. APPROVED MECHANICAL FILTER RESPIRATOR TO REMOVE SOLIK AIRBORNE PARTICLES OF OVERSPRAY DURING SPRAY APPLICATION.

**EYE PROTECTION:** USE CHEMICAL SPLASH GOGGLES OR FACE SHIELD. (ANSI Z87.1 OR APPROVED EQUIVALENT). EYE PROTECTION WORN MUST BE COMPATIBLE WITH RESPIRATORY PROTECTION SYSTEM EMPLOYED.

**HAND PROTECTION:** CHEMICAL-RESISTANT GLOVES SHOULD BE WORN WHENEVER THIS MATERIAL IS HANDLED. RINSE AND REMOVES GLOVES IMMEDIATELY AFTER USE. WASH HANDS WITH SOAP AND WATER.

**OTHER PROTECTION:** USE CHEMICALLY RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING TO AVOID PROLONGED OR REPEATED SKIN CONTACT.

**ENGINEERING CONTROLS (VENTILATION):** USE LOCAL EXHAUST VENNTILATION WITH A MINIMUM CAPTURE VELOCITY OF 100FT/MIN. (.5M/SEC.) AT THE POINT OF VAPOR EVOLUTION. REFER TO THE CURRENT EDITION OF INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE PUBLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS FOR INFORMATION ON THE DESIGN, INSTALLATION, USE, AND MAINTENANCE OF EXHAUST SYSTEMS.

**WORK – HYGIENIC PRACTICES:** REMOVE CONTAMINATED CLOTHING; LAUNDER OR DRY CLEAN BEFORE REUSE. WASH THOROUGHLY WITH SOAP AND WATER.

**SECTION 10 – DISPOSAL MEASURES**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 11 – TRANSPORTATION DATA**

US DOT CLASS      PAINT, NOT REGULATED

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