



TRANSPORTATION EMERGENCY NO.:  
(800) 424-9300 CHEMTREC  
INFORMATION TELEPHONE NO.: (901) 526-2211  
www.farrellcalhoun.com

## MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 1015 Part B  
PRODUCT NAME: D-2201 Acid Component For V/Butyl Wash Primer  
HMIS CODES: H-2\*, F-3, R-O, P-H

### SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURED FOR NAME: FARRELL-CALHOUN, INC.  
ADDRESS: 221 E. CAROLINA AVENUE, MEMPHIS TN 38126  
TRANSPORTATION EMERGENCY NO.: (800) 424-9300 CHEMTREC  
INFORMATION TELEPHONE NO.: (901) 526-2211  
LAST REVISION: 11/5/07

### SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	Vapor Pressure mm Hg @ TEMP	PERCENT
*Mixed Xylenes OSHA PEL 100 PPM ACGIH TLV 100 PPM	1330-20-7	9.0 68°F	1
Ethyl Alcohol OSHA PEL 1000 PPM	68412-54-4	58 68°F	14.5
Ethylene Glycol MonoButyl Ether OSHA PEL 25 PPM ACGIH TLV 25 PPM	111-76-2	0.6 68°F	23
*Methyl IsoButyl Ketone ACGIH TLV 50 PPM	108-10-1	16 68°F	18.5
*n-Butyl Alcohol OSHA PEL 50 PPM ACGIH TLV 50 PPM	71-36-3	.9 68°F	37
*75% Phosphoric Acid	7664-38-2	0.3 68°F	4

\* INDICATES TOXIC CHEMICAL (S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372. \*\*  
Do not breath spray mist. Deliberate misuse by concentrating and inhaling this product may be harmful or fatal.

### SECTION III - HAZARDS IDENTIFICATION

APPEARANCE AND ODOR: Aromatic Hydrocarbon and Alcohol Odor

**EMERGENCY OVERVIEW: DANGER! FLAMMABLE LIQUID AND VAPOR.** Vapors affect the brain, nervous system and heart rhythm causing headache, nausea and irritation of the nose, throat and lungs. Severe skin and eye irritation. Harmful or fatal if swallowed.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Respiratory allergies.

Chronic diseases of the skin, nose, throat, lungs, central nervous system, liver, kidneys, eyes and blood.

**PRIMARY ROUTES OF ENTRY:**

**INHALATION:** Breathing high concentrations of vapor or mist may cause irritation of the nose, throat, and upper respiratory tract. Can lead to respiratory failure and death. Can cause kidney and liver damage. Nervous system depression such as headaches, drowsiness, dizziness, loss of coordination and fatigue. Can cause kidney and liver damage.

**SKIN:** This material is severely irritating to the skin. Skin Absorption may cause systemic toxicity. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying (dermatitis), cracking, and skin burns. Absorption can cause damage to a fetus.

**EYE:** This material may cause severe eye irritation. Direct contact with the liquid, vapor or mists may cause stinging, tearing, and redness.

**INGESTION:** Harmful or fatal if swallowed. Ingestion of excessive amounts may cause irritation of the digestive tract and signs of nervous system depression such as headache, drowsiness, dizziness, loss of coordination, and fatigue. Aspiration can cause lung inflammation and damage. Can cause liver and kidney damage.

**HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE (SHORT TERM):** Anesthetic. Irritant. May cause headache, nausea. Irritation of the respiratory tract or central nervous system causing depression characterized by the progressive steps: Headache, vertigo, staggering, unconsciousness, then coma. **CHRONIC (LONG TERM):** Intention misuse by deliberately concentrating and inhaling this product may be harmful or fatal. Permanent brain and central nervous system damage can occur by repeated and prolonged over exposure (i.e. painter's syndrome). Can cause organ damage. Dust is possible carcinogen.

### SECTION IV - FIRST AID MEASURES

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Move to fresh air. If needed, restore breathing. Treat symptomatically.

**SKIN:** Wash affected area with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

**EYES:** Flush eyes gently with water for at least 15 minutes, while holding eyelids apart; Seek medical attention immediately.

**INGESTION:** Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately. Amounts that enter mouth should be washed out until taste is gone.

### SECTION V - FIRE FIGHTING MEASURES

FLASH POINT: 60°F

METHOD USED: TCC

**FLAMMABLE LIMITS IN AIR BY VOLUME** - LOWER: 1.1      UPPER: 11.2

**EXTINGUISHING MEDIA:** Use foam, CO<sub>2</sub>, or dry chemical.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear full protective equipment, including self-contained breathing apparatus. Cool containers with water spray to prevent pressure buildup and possible auto-ignition or explosion. Avoid spreading burning liquid with water used for cooling.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. This product is **FLAMMABLE** and its vapors **EXPLOSIVE**. 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, smoking, or electrical motors and light switches.

==== SECTION VI – ACCIDENTAL RELEASE ====

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:** Eliminate ignition sources (flame, hot surfaces, and sparks). Avoid breathing vapors. Ventilate area. Stop spill from entering drains, sewers, streams, or waterways. Dike around spill and absorb liquids with absorbent. Use non-sparking tools to avoid fires. Area could be slippery. Wear resistant clothing.

==== SECTION VII – HANDLING AND STORAGE ====

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Do not store above 120 degrees F, near heat, or open flame. Do not smoke in area! Keep containers tightly closed and upright to prevent leakage. Product containers should be grounded and bonded when pouring. Open slowly to relieve pressure. Do not weld or cut a container, even if empty, as fumes and residues could still be present.

**OTHER PRECAUTIONS:** Do not take internally. Avoid skin and eye contact. Prevent repeated or prolonged breathing of vapor or spray mist. Follow label precautions. **KEEP AWAY FROM CHILDREN!** Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1, and other government and industrial references pertaining to maintenance operations.

==== SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION ====

**RESPIRATORY PROTECTION:** If you experience eye watering, headaches or dizziness, or if air monitoring demonstrates vapor/mist levels above applicable limits, use (MSHA/NIOSH-approved or equivalent) chemical/mechanical filters designed to remove a combination of particulates and organic vapor in open and restricted ventilation areas. Use approved airline type respirators or hoods in confined areas. Spray dusts and mists should be controlled to below 0.1mg/M<sup>3</sup> through usage of NIOSH-approved dust filter respirators.

**VENTILATION:** Sufficient ventilation in pattern and volume in accordance with OSHA reg. 29CFR part 1910.94 should provide air contaminant concentration below applicable exposure limits. Heavy vapors should be removed from all lower work areas.

**PROTECTIVE GLOVES:** Gloves should be worn if skin contact is likely. Use neoprene or rubber gloves to prevent skin contact.

**EYE PROTECTION:** Use safety eyewear including side shields, face shields, or chemical splash goggles (ANSI Z-87.1, or approved equivalent).

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use disposable or impervious clothing if work clothing contamination is likely. Use protective cream if skin contact is likely. Use full face shield, apron, or appropriate equipment. Availability of eye wash stations and showers recommended.

**WORK/HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using wash room. Do not consume food or beverages where this product is handled.

===== SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES =====

**BOILING RANGE:** 237°F – 278°F  
**VAPOR DENSITY:** Heavier than air.  
**COATING V.O.C.:** 6.60 lb/gal  
**SOLUBILITY IN WATER:** Not miscible

**SPECIFIC GRAVITY:** 0.85  
**EVAPORATION RATE:** Slower than ether  
**MATERIAL V.O.C.:** 5.01 lb/gal

===== SECTION X – STABILITY AND REACTIVITY =====

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** High temperatures, poor ventilation, corrosive atmospheres, excessive aging and all sources of ignition.

**INCOMPATIBILITY:** Strong oxidizing materials, alkaline materials, amines, acids, hydroxyl, or other active hydrogen compounds.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Carbon monoxide, carbon dioxide, oxides of nitrogen, and possibly acrolein.

**HAZARDOUS POLYMERIZATION:** Will not occur.

===== SECTION XI – TOXICOLOGICAL INFORMATION =====

**CARCINOGENICITY:**    NTP CARCINOGEN:NO    IARC MONOGRAPHS:NO    OSHA REGULATED:YES  
\*SEE SECTION II NOTATION

===== SECTION XII – ECOLOGICAL INFORMATION =====

No data available.

=====SECTION XIII – DISPOSAL INFORMATION =====

**WASTE DISPOSAL METHOD:** Disposal should be in accordance with federal (40CFR part261), state and local regulations. Before attempting clean-up, refer to hazard information in other sections of MSDS. Use only licensed hazardous waste concern.

=====SECTION XIV – TRANSPORT INFORMATION =====

**DOT:** Phosphoric Acid Solution, 8, UN1805, PGIII

===== SECTION XV – REGULATORY INFORMATION =====

**WORKPLACE CLASSIFICATION**

This product is considered hazardous by OSHA

**SARA TITLE III: SECTION 311/312 CATEGORIZATIONS (40CFR370)**

Acute Chronic Fire

**SARA TITLE III: SECTION 313 INFORMATION (40CFR372)**

Xylene (Mixed Isomers) CAS# 1330-20-7

Methyl IsoButyl Ketone CAS# 108-10-1

N-Butyl Alcohol CAS# 71-36-3

75% Phosphoric Acid CAS# 7664-38-2

**CERCLA INFORMATION (40CFR302.4)**

Xylene (Mixed Isomers) CAS# 1330-20-7    **RQ:** 100 Pounds

Methyl IsoButyl Ketone CAS# 108-10-1    **RQ:** 5000 Pounds

n-Butyl Alcohol CAS# 71-36-3    **RQ:** 5000 pounds

75% Phosphoric Acid CAS# 7664-38-2    **RQ:** 5000 pounds

**US TOXIC SUBSTANCES CONTROL ACT (TSCA)**

The intentional ingredients, Section II, of the product are listed.

===== SECTION XVI – DISCLAIMER =====

Although the information contained herein is believed to be reliable, there is no warranty of any kind, expressed or implied as to the completeness or accuracy thereof. Recipients are advised to confirm in advance of the need that the information is current, and applicable to their circumstances.