



## **SAFETY DATA SHEET**

### **1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** 2704-3

**Product type:** water based pressure sensitive adhesive

**Restriction of use:** None identified

**Company Address:** Precision Adhesives and Chemicals  
131 Brown Street  
Yatesville, PA 18640

**Telephone numbers:** 570-654-6735

**Transport Emergency phone:** Chemtrec 800-424-9300

**Medical Emergency phone:** Poison Control Center 1.877.671.4608

### **2. HAZARDS IDENTIFICATION**

**Classification of the Substance or Mixture:**

Acute toxicity, Inhalation (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Reproductive toxicity (Category 2)

Specific target organ toxicity - single exposure (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Aspiration hazard (Category 1)

Acute aquatic toxicity (Category 4)

**Signal Word:** Danger

**Hazard Statements:**

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging fertility or the unborn child.

H371: May cause damage to organs.

H401: Toxic to aquatic life.

**Pictograms:**



**Precautionary Statements:**

P260: Do not breathe dust / fume / gas / mist / vapors / spray.

P281: Use personal protective equipment as required.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331: Do NOT induce vomiting

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	CAS Number	% by weight
Toluene	108-88-3	10-15
Aqua ammonia	1336-21-6	<2
Water	7732-18-5	40-45
Acrylic Copolymer	Trade secret	15-30

**4. FIRST AID MEASURES**

**Eyes**

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**

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**Swallowing**

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.

**Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist,

see medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

### **Note to physicians**

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (see section 3 – Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: respiratory tract, skin, lung (for example, asthma-like conditions), kidney, central nervous system, auditory system. Individuals with preexisting heart disorders may be more susceptible to arrhythmias if exposed to high concentrations of this material.

## **5. FIRE FIGHTING MEASURES**

### **Auto-ignition temperature**

No data

### **NFPA rating**

Not determined

## **6. ACCIDENTAL RELEASE MEASURES**

Procedures for Cleanup: Absorb with sand, earth, vermiculite. Sweep up and dispose of in accordance with federal, state and local regulations.

Waste Disposal: Dispose of in accordance with federal, state and local regulations.

## **7. HANDLING AND STORAGE**

Handling and Storage: Store in a cool, dry area, away from flame, sparks, excessive heat.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Eye protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

### **Skin Protection**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged

skin contact, wear impervious clothing and boots.

### **Respiratory protections**

If workplace exposure limits of product or any component are exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSH regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

### **Engineering controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

### **Exposure guidelines**

TOLUENE (108-88-3)

OSHA PEL 200 ppm – TWA

OSHA PEL 300 ppm – ceiling

OSHA VPEL 100 ppm – TWA

OSHA VPEL 150 ppm – STEL

ACGIH TLV 50 ppm – TWA (skin)

ACGIH TLV 150 ppm – STEL (skin)

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance**

opaque white liquid, faint resin odor

### **Boiling point**

(for water) 212° F

### **Vapor pressure**

(for component) 115 mmHg @ 68° F

### **Vapor Density**

1.4

### **Solubility in Water**

at 29°C: Infinite

### **Specific gravity**

1.13 @ 77°F

### **Percent Volatiles**

10 to 15%

## **10. STABILITY AND REACTIVITY**

**Hazardous polymerization**

Product will not undergo hazardous polymerization.

**Hazardous decomposition**

May form carbon dioxide, carbon monoxide and various hydrocarbons.

**Chemical stability**

Stable

**Incompatibility**

Avoid contact with strong alkalis, strong mineral acids, and strong oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

**Emergency Overview:** POISON! DANGER! HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. VAPOR HARMFUL. FLAMMABLE LIQUID AND VAPOR. MAY AFFECT LIVER, KIDNEYS, BLOOD SYSTEM, OR CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

**Potential Health Effects:**

**Inhalation:** Inhalation may cause irritation of the upper respiratory tract. Symptoms of overexposure may include fatigue, confusion, headache, dizziness and drowsiness. Peculiar skin sensations (e. g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death.

**Ingestion:** Swallowing may cause abdominal spasms and other symptoms that parallel over-exposure from inhalation. Aspiration of material into the lungs can cause chemical pneumonitis, which may be fatal.

**Skin Contact:** Causes irritation. May be absorbed through skin.

**Eye Contact:** Causes severe eye irritation with redness and pain.

**Chronic Exposure:** Reports of chronic poisoning describe anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Repeated or prolonged contact has a defatting action, causing drying, redness, dermatitis. Exposure to toluene may affect the developing fetus.

**Aggravation of Pre-existing Conditions:** Persons with pre-existing skin disorders or impaired liver or kidney function may be more susceptible to the effects of this substance. Alcoholic beverage consumption can enhance the toxic effects of this substance.

**Reproductive Toxicity:** Has shown some evidence of reproductive effects in male and female laboratory animals.

**Teratogenicity:** Damage to fetus possible; Suspected human reproductive toxicant.

**Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System:)** No data available

**Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System:)** No data available

**Numerical Measures of Toxicity:** Cancer Lists: NTP Carcinogen

Ingredient	Known	Anticipated	IARC Category
------------	-------	-------------	---------------

Toluene (108-88-3)	No	No	None
--------------------	----	----	------

**Acute Toxicity:** Oral rat LD50: 636 mg/kg; skin rabbit LD50: 14100 uL/kg; inhalation rat LC50: 49 gm/m<sup>3</sup>/4H; Irritation data: skin rabbit, 500 mg, Moderate; eye rabbit, 2 mg/24H, Severe. Investigated as a tumorigen, mutagen, reproductive effector

## **12. ECOLOGICAL INFORMATION**

no data

## **13. DISPOSAL CONSIDERATION**

Destroy by liquid incineration in accordance with applicable regulations.

## **14. TRANSPORT INFORMATION**

**DOT information** – Not regulated

### **Container mode**

55 gal drum

### **NOS component**

None

## **15. REGULATORY INFORMATION**

Federal and State Regulations:

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Toluene

California prop. 65 (no significant risk level): Toluene: 7 mg/day (value) California prop. 65 (acceptable daily intake level): Toluene: 7 mg/day (value)

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene

Connecticut hazardous material survey.: Toluene

Illinois toxic substances disclosure to employee act: Toluene

Illinois chemical safety act: Toluene

New York release reporting list: Toluene

Rhode Island RTK hazardous substances: Toluene

Pennsylvania RTK: Toluene

Florida: Toluene

Minnesota: Toluene

Michigan critical material: Toluene

Massachusetts RTK: Toluene  
Massachusetts spill list: Toluene  
New Jersey: Toluene  
New Jersey spill list: Toluene  
Louisiana spill reporting: Toluene  
California Director's List of Hazardous Substances.: Toluene  
TSCA 8(b) inventory: Toluene  
TSCA 8(d) H and S data reporting: Toluene  
SARA 313 toxic chemical notification and release reporting: Toluene  
CERCLA: Hazardous substances.: Toluene: 1000 lbs. (453.6 kg)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

## **16. OTHER INFORMATION**

Updated: 2/8/18

**\*\*\*SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED\*\*\***

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Adhesives and Chemicals as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Adhesives and Chemicals assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.