



Research Products International Corp.

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

### **SECTION 1 - CHEMICAL IDENTIFICATION**

PRODUCT NAME: TOLUENE  
COMMON NAME: TOLUENE  
RPI CATALOG #: 111051, 400015, 400016  
SUPPLIER'S NAME: Research Products International Corp.  
SUPPLIERS ADDRESS: 410 N Business Center Drive  
Mount Prospect, IL 60056  
EMERGENCY CONTACT: 1-800-424-9300  
OTHER INFORMATION: 847-635-7330

### **SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

CAS 108-88-3

### **SECTION 3 - HAZARDS IDENTIFICATION**

Label precautionary statements: Flammable Liquid, vapor may cause flash fire. Irritant. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Mist or vapor can irritate respiratory tract. May cause nausea, vomiting and light-headedness. Preexisting skin, respiratory system, liver, kidney, central nervous system and heart conditions are more aggravated. May cause damage to organs: blood, kidney, lung, liver, mucous membranes, heart, upper respiratory tract, skin, auditory system, central nervous system, eye, lens or cornea. Misuse may be harmful or fatal. HFWA Rating: Health: 2, Fire: 3, Reactivity: 0

### **SECTION 4 - FIRST-AID MEASURES**

If swallowed, do not induce vomiting. If spontaneous vomiting is about to occur, place victim's head below knees. Seek immediate medical attention. Do not leave victim unattended. If inhaled, move to fresh air. If victim is not breathing, immediately begin rescue breathing. Inhalation overexposure can produce toxic effects. If heart has stopped, immediately begin CPR. Seek immediate medical attention. In case of contact, immediately remove contaminated shoes and clothing. Flush affected area with large amounts of water and wash skin with soap and copious amounts of water. If skin surface is damaged, apply clean dressing and seek medical attention. Do not use ointments. In case of eye contact, flush eyes with cool, clean, low-pressure water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Do not use eye ointment. Seek immediate medical attention.

### **SECTION 5 - FIRE FIGHTING MEASURES**

Extinguishing media: carbon dioxide, dry chemical powder or appropriate foam.

Special fire fighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Water spray may be useful in minimizing vapors and cooling exposed containers. Do not use solid stream of water on fire as water may spread burning liquid.

Unusual fire and explosions hazards: Flammable Liquid.

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Take proper precautions to ensure your own health and safety before attempting spill control or clean up. Flammable liquid. Release causes an immediate fire or explosion hazard. Evacuate all non-essential personnel from area. All equipment used must be grounded. Do not touch or walk through spilled material. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Wipe up or absorb, place in a bag and transfer to appropriate waste containers. Avoid breathing vapor. Ventilate area and wash spill site after material pickup is complete.

## **SECTION 7 - HANDLING AND STORAGE**

Keep container tightly closed. A spill or leak can cause an immediate fire or explosion hazard. Keep cool, dry, away from sparks, open flame, or potential ignition sources. Do not breathe vapor. Adequate ventilation necessary. Empty containers are dangerous. Do not pressurize, cut, etc., may explode. Refer to Occupational Safety and Health Administration Regulations.

## **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

Safety shower and eye bath. Mechanical exhaust required. Avoid inhalation, skin contact, and eye contact. Avoid prolonged or repeated exposure. NIOSH/MSHA-approved respirator, compatible chemical-resistant gloves, chemical safety goggles. Keep tightly closed. Store in a cool dry place. Wash thoroughly after handling. Do not mouth pipette.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical Properties: Appearance: transparent liquid; Specific Gravity: 0.87; Vapor Density: 3, air=1; Boiling Point: 109-111C; Vapor Pressure: 3.2kPa; Solubility in Water: slightly soluble; Flash Point: 4C

## **SECTION 10 - STABILITY AND REACTIVITY**

Stability: stable. May ignite by sparks, heat, flame.

Incompatibilities: Oxidizers (liquid chlorine, hydrogen peroxide, oxygen), alkalies, acids

Hazardous combustion or decomposition products: carbon monoxide or carbon dioxide.

Hazardous polymerization: will not occur.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Overexposure may cause upper respiratory tract irritation, headache, cyanosis, blood serum changes, CNS damage and narcosis. Harmful or fatal if swallowed. Can enter lungs and cause damage.

Overexposure can cause CNS depression and/or other target organ effects. Breathing high concentrations can cause irregular heartbeats which may be fatal.

## **SECTION 12 - ECOLOGICAL INFORMATION**

Potentially toxic to freshwater and saltwater ecosystems.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Observe all federal, state and local environmental regulations. Contact your regional US EPA office for specific disposal issues.

## **SECTION 14 - TRANSPORT INFORMATION**

DOT: TOLUENE, 3, UN1294, PG II, Flammable Liquid.

## **SECTION 15 - REGULATORY INFORMATION**

Hazard Symbol: Flammable Liquid. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S29/56: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. R10: Flammable. R2: Risk of explosion by shock, friction, fire or other sources of ignition. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R37/38: Irritating to respiratory system and skin. TSCA listed.

## **SECTION 16. - OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Research Products International Corp. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.