



Manufacturers of Industrial & Decorative Coatings

United Paints Limited  
P.O. Box 21 064  
29 Empire Road  
Bridgend  
Christchurch  
Telephone : (03) 323 8743  
Facsimile: (03) 323 7261

## SAFETY DATA SHEET TOLUENE

### 1.0 Chemical Product and Company Identification

<b>Trade Name:</b>	<b>TOLUENE</b>
<b>Chemical Name:</b>	Industrial Solvent
<b>Manufacturers Name:</b>	United Paints
<b>Address:</b>	29 Empire Rd, Belfast, Christchurch
<b>Telephone:</b>	(03) 323 8743
<b>Facsimile:</b>	(03) 323 7261
<b>Date of Issue:</b>	17th May 2023

#### Emergency Contact Numbers

National Poison & Hazardous Chemicals Information Centre	(03) 474 0999
United Paints Limited – Director (Mr M.Davies)	(03) 359 3528 Home 021 617 979 Mobile

### 2.0 Hazards Identification

**HSNO APPROVAL CODE :** Product is classified as hazardous according to Schedule 1 – 6 of Hazardous substances regulations of HSNO act 1996

**HSNO CLASSIFICATIONS :** 3.1B, 6.1D, 6.3A, 6.4A, 6.8B, 6.9B, 9.1D, 9.3C

Danger



#### Hazard Statements :

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

H402 Harmful to aquatic life.  
H433 Harmful to terrestrial vertebrates.

**Prevention Statements :**

P102 Keep out of the reach of children.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, open flames, hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground container and receiving equipment.  
P241 Use explosion proof electrical , ventilating, lighting equipment.  
P242 Use non sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe vapours.  
P264 Wash hands thoroughly.  
P270 Do not eat, drink, or smoke when handling.  
P271 Use only outdoors or in a well ventilated area.  
P280 Wear protective gloves and eye protection.  
P281 Use personal protective equipment if required.

**Response Statements :**

P101 If medical advice is needed, have product container or label on hand.  
P314 Get medical advice if you feel unwell.  
P308 + p313 If exposed or concerned : Get medical advice.  
P301 + P312 IF SWALLOWED : Call the POISON CENTRE if you feel unwell.  
P302 + P352 IF ON SKIN : Wash with plenty of water and soap.  
P312 Call the POISON CENTRE or Doctor if you feel unwell.  
P321 Specific treatment see section 4 for First Aid measures.  
P330 Rinse mouth.  
P332 + P313 If eye irritation occurs : Get medical advice.  
P362 Take off contaminated clothing and wash before re-use.  
P304 + P340 IF INHALED remove to fresh air. Rest in comfortable position for breathing.  
P305 + P351 + P338 IF IN EYES rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists get medical advice.  
P370 + P378 In case of fire, stop leak if it is safe to do so.

**Storage Statements :**

P403 + P235 Store in a well ventilated place.  
P405 Store locked up.

**Disposal Statements :**

P501 Dispose of product and containers in accordance with local regulation.

**3.0 Composition / Information on Ingredients**

<b>Ingredient</b>	<b>% By Weight</b>	<b>TLV (TWA)</b>	
Toluene	100 %	188 mg/m <sup>3</sup>	50ppm

## 4.0 First Aid Measures

- 4.1 Inhalation** Bring patient to fresh open air. If breathing difficult give oxygen.
- 4.2 Skin Contact** Wash with soap and water. Remove and launder contaminated clothing before reuse.
- 4.3 Eye Contact** Flush with water lifting lids occasionally. Seek medical attention.
- 4.4 Ingestion** Do not induce vomiting. Keep patient warm and quiet. Seek medical attention immediately. Rinse mouth with water.
- 4.5 First Aid Facilities** Eyewash and normal washroom facilities and consumerables.
- 4.6 Notes to Doctor** Treat symptomatically. Aspiration is the main danger. Enforce bed rest and observe carefully. Prophylactic antibiotics useful. Observe for chemical pneumonitis. Gastro-intestinal absorption is significant with hydrocarbon solvents. For large ingestions cuffed endotracheal tube is recommended.

## 5.0 Fire Fighting Measures

- 5.1 Flashpoint** 4°C
- 5.2 Flammability Limit** 1.2 (Lower)
- 5.3 Extinguishing Media**  
Foam, carbon dioxide, dry chemical.
- 5.4 Hazardous Composition Products**  
May form toxic materials such as Carbon Monoxide and Carbon Dioxide.
- 5.5 Special Firefighting Procedures**  
Call Fire Service and tell them of location and nature of hazard.  
Water or Foam may cause frothing that can be violent, especially if sprayed into containers of hot burning liquid. Self contained breathing apparatus with full face piece should be used.  
Closed containers can be kept cool by water spray.  
Make sure of adequate supplies of extinguishing material available.
- 5.6 Unusual fire and Explosion Hazards**  
Vapours are heavier than air and may travel along ground and move by ventilation and ignite at a point far from the source. Sumps and drains should be checked for signs of accumulation.
- 5.7 Firefighting Personal Protective Equipment**  
Full protective clothing and self-contained breathing apparatus.  
Water rinse shower available.

## 6.0 Accidental Release Measures

- 6.1 Minor Spills** Eliminate all sources of Ignition. Stop leak at source. Dyke area of spillage. Absorb with sand or other absorbent inert material.
- 6.2 Major Spills** Clear are from all public and personnel. Call fire service and advice on the nature of hazard. Ensure spill is contained however if spill enters waterways directly or through drains advise local environment protection authority.
- 6.2 Disposal** Destroy by controlled incineration by approved waste disposal group or use an authorised disposal area.

## 7.0 Handling and Storage

- 7.1 Handling** Use in well ventilated area away from any source of ignition. Wear safety glasses, nitrile gloves, overalls, and approved cartridge respirator when spraying.
- 7.2 Storage** Store in a cool, authorised room away from any source of accidental ignition, or any oxidising agents.

## 8.0 Exposure Controls / Personal Protection

### 8.1 Exposure Controls

Contains 100 % Aromatic Hydrocarbon solvent. Make sure level maintained below TLV of 50 ppm or provide personal protective equipment to suit.

### 8.2 Personal Protective Equipment

- Vapour Respirator
- Splash Goggles
- Face Shield
- Gloves (Nitrile)
- Synthetic Apron
- Vapour Respirator
- Dust Respirator

## 9.0 Physical and Chemical Properties

9.1	<b>Appearance</b>	Liquid
9.2	<b>Odour</b>	Aromatic
9.3	<b>Boiling Point</b>	110°- 111°C
9.4	<b>Flash Point</b>	4° C
9.5	<b>Solubility in Water</b>	Negligible
9.6	<b>Specific Gravity</b>	0.87
9.7	<b>ph Value</b>	Not applicable
9.8	<b>Vapour Pressure</b>	40 mm Hg at 20°C
9.9	<b>Vapour Density</b>	3.1
9.10	<b>Evaporation Rate</b>	2.0 (BA=1)
9.11	<b>Volatile Component</b>	100 %
9.12	<b>Flammability</b>	Flammable Liquid
9.13	<b>Auto ignition Temp</b>	520°C
9.14	<b>Flammability Limits</b>	Lower 1.2 Upper 8

Coloured flammable liquid with a mild solvent odour, which does not mix with water but will form a thin layer on water surface.

## 10.0 Stability and Reactivity

10.1	<b>Chemical Stability</b>	Stable under normal conditions
10.2	<b>Conditions to Avoid</b>	Heat, Direct Sunlight, open flames or other ignition sources
10.3	<b>Materials to Avoid</b>	Strong oxidising agents
10.4	<b>Hazardous Decomp Products</b>	Carbon monoxide, Carbon dioxide, fumes
10.5	<b>Hazardous Reactions</b>	May react with incompatible materials
10.6	<b>Hazardous Polymerization</b>	will not occur

## 11.0 Toxicological Information

11.1	<b>Acute Toxicity</b>	Oral: Moderately Toxic Dermal: Moderately Toxic Inhalation: Moderate Irritant
11.2	<b>Health Effects Swallowed</b>	Harmful. Ingestion of this material may irritate the gastric tract and cause nausea and vomiting.
	<b>Eye Contact</b>	May cause eye irritation, stinging, redness and blurred vision.
	<b>Skin Contact</b>	May cause itching, redness and irritation
	<b>Chronic Effects</b>	Causes central nervous system depression. Prolonged exposure may affect liver and kidneys.

## 12.0 Ecological Information

- 12.1 Ecotoxicity**                      Classed as aquatic ecotoxin with long lasting effects.
- 12.2 Persistence / Degradability**                      Not readily biodegradable.
- 12.3 Mobility Air Water**                      Slow loss by evaporation  
Product will mix partially with water.
- 12.4 Enviro Protection**                      Avoid contaminating waterways, soil, drains and sewers.

## 13.0 Disposal Considerations

- 13.1 Liquid**                                      Dispose of waste through an approved facility.
- 13.2 Containers**                                      Dispose of containers through metal recycler once empty containers have dried.

## 14.0 Transport Regulations

**Labelling Required**                      FLAMMABLE LIQUID  
Red Diamond 3

### UNDG

**U N Number**                                      1294

**Proper Shipping Name**                      Toluene

**D G Class**    3

**Hazchem Code**                                      3 Y

**Packing Group**                                      III

### IMDG (Maritime)

**IMDG Class**    3

**UN Number**    1294

**EMS Number**    F-E, S-E

**IMDG Sub risk**    none

**Packing Group**    III

**Special Provisions**                                      163 223 944 955

**Marine Pollutant**                                      Not Determined

This material is classified as a class 3 – Flammable Liquid according to NZS 5433: 1999

Transport of Dangerous Goods on Land.

This material must not be loaded in the same freight container or the same vehicle with:

Class 1	Explosives
Class 2.1	Flammable Gases
Class 2.3	Toxic Gases
Class 4.2	Spontaneously Combustible Substances
Class 5.1	Oxidising substances
Class 5.2	Organic Peroxides
Class 7	Radioactive materials unless specifically exempted

Must not be loaded in the same freight container, but can be in the same vehicle if separated horizontally by a distance of 3 metres:

Class 4.3                      Dangerous when wet substances.

Goods of packing group II or III may be loaded in the freight container or the same Vehicle if transported in segregation devices with:

Class 4.2	Spontaneously Combustible Substances
Class 4.3	Dangerous when wet substances
Class 5.1	Oxidising substances
Class 5.2	Organic Peroxides

## 15.0 Regulatory Information

<b>Labelling</b>	Class 3, Flammable Liquid
<b>Poisons Schedule</b>	S 4
<b>Hazard Category</b>	Dangerous

## 16.0 Other Information

<b>Revision Date</b>	17th May 2028
<b>NZ Emergency Services</b>	Telephone 111
<b>NZ Poison Information</b>	Telephone 0800 POISON (0800 764 766)

The above information concerns only the above mentioned product and is not valid with any other product(s). The information is provided to the best of our knowledge, correctly and completely, in good faith but without warranty. It remains the user's responsibility to ensure the information is appropriate for their application of the product.