



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

Trade Name: TOLUENE
Chemical Name: Industrial Solvent
Manufacturers Name: United Paints
Address: 29 Empire Rd, Belfast, Christchurch
Telephone: (03) 323 8743
Facsimile: (03) 323 7261
Date of Issue: 12 th April 2013

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

Harmful , Flammable Liquid ,

3.0 Composition / Information on Ingredients

Ingredient	% By Weight	TLV (TWA)	
Toluene	100 %	188 mg/m ³	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.

Christchurch
(03) 323 8743

Auckland
(09) 265 0032

Palmerston North
021 682 151

- 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 . Gasto-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 advise 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 Appearance | Liquid |
| 9.2 Odour | Aromatic |
| 9.3 Boiling Point | 110°- 111°C |
| 9.4 Flash Point | 4° C |
| 9.5 Solubility in Water | Negligible |
| 9.6 Specific Gravity | 0.87 |
| 9.7 pH Value | Not applicable |
| 9.8 Vapour Pressure | 40 mm Hg at 20°C |
| 9.9 Vapour Density | 3.1 |
| 9.10 Evaporation Rate | 2.0 (BA=1) |
| 9.11 Volatile Component | 100 % |
| 9.12 Flammability | Flammable Liquid |
| 9.13 Autoignition Temp | 520°C |
| 9.14 Flammability Limits | 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 Chemical Stability	Stable under normal conditions
10.2 Conditions to Avoid	Heat , Direct Sunlight , open flames or other ignition sources
10.3 Materials to Avoid	Strong oxidising agents
10.4 Hazardous Decomp Products	Carbon monoxide , Carbon dioxide , fumes
10.5 Hazardous Reactions	May react with incompatible materials
10.6 Hazardous Polymerization	Will not occur

11.0 Toxicological Information

11.1 Acute Toxicity	Oral : Moderately Toxic Dermal : Moderately Toxic Inhalation : Moderate Irritant
11.2 Health Effects Swallowed	Harmful . Ingestion of this material may irritate the gastric tract and cause nausea and vomiting .
Eye Contact	May cause eye irritation, stinging, redness and blurred vision.
Skin Contact	May cause itching, redness and irritation
Chronic Effects	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

Christchurch
(03) 323 8743

Auckland
(09) 265 0032

Palmerston North
021 682 151

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 Subrisk 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

Christchurch
(03) 323 8743

Auckland
(09) 265 0032

Palmerston North
021 682 151

Labelling	Class 3 , Flammable Liquid
Poisons Schedule	S 4
Hazard Category	Harmful

16.0 Other Information

Revision Date	12 th April 2013
NZ Emergency Services	Telephone 111
NZ Poison Information	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.