

# MATERIAL SAFETY DATA SHEET



## 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Trade Name TULIP SPRAY ACRYLIC LACQUER (400cc)  
(Code : TULIP #01, #02, .....)
- 1.2 Use For Metal Coating
- 1.3 Supplier TOA PAINT (MALAYSIA) SDN BHD  
LOT 37625, JALAN 2/37A, TAMAN BUKIT MALURI,  
OFF JALAN KEPONG,  
52200 KUALA LUMPUR, MALAYSIA  
TEL : 603-62721346 FAX : 603-62721348

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Substances	CAS-NO.	% Composition	Classification
Xylene, mixture of isomers	-	5-20	-
Acetone	67-64-1	5-20	R11 S9 S16 S23 S33
Butyl Acetate	123-86-4	5-20	R10 R66 R67 S25
Acrylic Resin	-	10-30	-
Propane	74-98-6	10-20	-
Butane	106-97-8	10-30	-
Pigment	-	5-20	-

## 3. HAZARDS IDENTIFICATION

### 3.1 Routes of exposure

- Inhalation of vapor or spray mist
- Eyes and skin contact with the product,vapor or spray mist

### 3.2 Effects of overexposure

- Eyes : Irritation
- Skin : Prolonged or repeated exposure may cause irritation
- Inhalation : Irritation of the upper respiration system
- May cause nervous system depression . Extreme overexposure may result in unconsciousness and possibly death.

### 3.3 Signs and symptoms of overexposure

- Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
- Redness and itching or burning sensation may indicate eye or excessive skin exposure.

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3.4 Medical conditions aggravated by exposure  
None generally recognized

## 4. FIRST AID MEASURES

4.1 Skin Contact	Wash off immediately with plenty of soap and water
4.2 Eye Contact	Rinse thoroughly with plenty of water
4.3 Inhalation	Move to fresh air, rest, half upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

5.1 Flash Point	-10 °C
5.2 Autoignition Temperature	465 °C
5.3 Chemical Reactivity	N/A

5.4 Hazardous Decomposition Products  
In case of exposure to heat or fire toxic vapor may be produced.

5.5 Extinguishing media : CO<sub>2</sub> , Dry chemical , Foam

5.6 Unusual fire and explosion hazards  
Containers may explode when exposed to extreme heat.  
Application to hot surfaces requires special precautions.

5.7 Special fire fighting procedures  
Full protective equipment including self-contained breathing apparatus should be used.  
Water spray may be ineffective. If water is used, fog nozzles are preferable.  
Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Step to be taken in case material is released or spilled  
Remove all sources of ignition, ventilate the area.  
Inert absorbent is recommended to remove materials.

## 7. HANDLING AND STORAGE

7.1 Storage category : N/A

7.2 Precautions to be taken in handling and storage :  
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively  
Keep area ventilated during use and until all vapors are gone  
Contents under pressure, do not puncture, incinerate, or expose to temperature above 45 °C  
Keep out of the reach of children.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- |                                 |  |
|---------------------------------|--|
| 8.1 Ventilation                 | Use Product in good ventilation area                 |
| 8.2 Respiratory Protection Type | Use self-contained breathing in enclosed environment |
| 8.3 Hand Protection             | Wear suitable gloves                                 |
| 8.4 Eye Protection              | Wear safety glass                                    |
| 8.5 Other Protection            | Wear suitable respiratory equipment                  |

## 9. PHYSICAL DATA

- |                              |                  |
|------------------------------|------------------|
| 9.1 Boiling Point of Mixture | -18 to 150 °C    |
| 9.2 Pressure                 | 4 Bar (20°C)     |
| 9.3 Solubility in water      | 10 gm / l (20°C) |

## 10. STABILITY AND REACTIVITY

- 10.1 Stability : Stable
- 10.2 Hazardous decomposition by fire : CO<sub>2</sub> , CO
- 10.3 Hazardous polymerization : not occur

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Chronic health hazards
  - No ingredient is an IARC , NTP ,or OSHA listed carcinogen.
  - Prolonged overexposure to solvent ingredients may cause adverse effects to liver , urinary, cardiovascular and reproductive systems.

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste disposal method
  - Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act ( RCRA ) 40 CFR 261.
  - Do not incinerate , depressurized container. Dispose of in accordance with Federal, State, Province, and local regulations regarding pollution.

## 14. TRANSPORTATION

- Proper Shipping Name : AEROSOLS
- Hazard Class : 2
- Packaging Group : III
- UN/NA Number : UN1950

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## 15. REGULATORY INFORMATION

SARA 313 ( 40 CFR 372.65C ) Supplier notification

Toluene CAS No. 108-88-3 6.5 % by weight

## 16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the CANADIAN Controlled Products Regulations ( CPR ) .