

SAFETY DATA SHEET

PRODUCT NAME TOLUENE / XYLENE & METHANOL

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material as well as describing potential risks to the consumer and the environment. This information must be shown to or made available to those who may come in to contact with the material or are responsible for the material. This Safety Data Sheet is prepared in accordance with GHS proposals, and including the requirements to meet Directive 2001/58/EC and subsequent amendments.

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY UNDERTAKING

Supplier: Absolute Solvents Limited Telephone: 01225 785118
 Address: Ascot Court Fax: 01225 785119
 White Horse Business Park
 Trowbridge
 Wiltshire
 BA14 0XA E-Mail: enquiries@absolutesolvents.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component | Classification | % | Cas-No. | EC-No. |
|---------------------|--|------|-----------|-----------|
| Xylene | R10 Xn; R20/21 Xi; R38 | ≤30% | 1330-20-7 | 215-535-7 |
| Toluene | F; R11 Rep. Cat 3; R63 Xn; R48/20, R65 Xi; R38 R67 | ≤30% | 108-88-3 | 203-625-9 |
| Methanol | F; R11 T; R23/24/25, R39/23/24/25 | ≤10% | 67-56-1 | 200-659-6 |
| Ethyl Acetate | F; R11 Xi; R36 R66 R67 | ≤10% | 141-78-6 | 205-500-4 |
| Acetone | F; R11 Xi; R36 R66 R67 | ≤60% | 67-64-1 | 200-662-2 |
| Isopropanol | F; R11 Xi; R36 R37 | ≤30% | 67-63-0 | 200-661-7 |

3. HAZARD IDENTIFICATION

Classification: Highly Flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Possible risk of harm to the unborn child. Danger of serious damage to health by prolonged exposure through inhalation.

Human Health Hazards: Contains a group of substances which may impair fertility; may cause harm to the unborn child and may cause harm to breastfed babies

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air, keep warm and rest. If breathing has ceased or is failing, apply artificial respiration. Seek medical attention immediately.

Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with soap and water. Before re-use, contaminated clothing should be washed.

Eye Contact: Irrigate eyes immediately with copious amounts of water for at least 15 minutes. If irritation persists obtain medical attention.

Ingestion: Do **NOT** induce vomiting. Obtain medical attention immediately.

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5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media: Foam, carbon dioxide, dry chemicals or sand.
Keep containers cool by spraying with water.
- Unsuitable Extinguishing Media: Do not use water jets.
- Special Exposure Hazards: This product may give rise to hazardous fumes in a fire. Vapours can travel a considerable distance to a source of ignition and flashback. The vapours are heavier than air and will collect in workpits and cellars, creating a fire and respiratory hazard. May form explosive mixtures with air.
- Special Protective Equipment: Wear chemical suit and self contained breathing apparatus.
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6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions: Splash goggles; protective overalls/suit; vapour respirator; boots & gloves. If there is significant airborne concentration then suitable breathing apparatus should be used to avoid inhalation of the product. Select appropriate protective clothing for the size of the spillage.
- Environmental Precautions: Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Dispose of according to local regulations.
- Try to prevent the material from entering drains or water courses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
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7. HANDLING AND STORAGE

- Handling: Keep away from heat.
Remove ignition sources.
Ground all equipment containing material.
Do not ingest.
Do not breathe gas/fumes/vapours/spray.
Wear suitable protective clothing.
If ingested, seek medical advice immediately and show the container or the label.
Keep away from incompatibilities such as oxidising agents & alkalis.
- Storage: Store in a segregated and approved area.
Keep container in a cool, well-ventilated area.
Keep container tightly closed and sealed until ready for use.
Avoid all possible sources of ignition (spark or flame)
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Name | Std | LT – ppm | LT – mg/m ³ | ST – ppm | ST – mg/m ³ |
|---------------|-----|-------------|----------------------------|-------------|----------------------------|
| Xylene | WEL | 50 ppm(Sk) | 220 mgm ³ (Sk) | 100 ppm(Sk) | 441 mgm ³ (Sk) |
| Toluene | WEL | 50 ppm(Sk) | 191 mgm ³ (Sk) | 150 ppm(Sk) | 574 mgm ³ (Sk) |
| Methanol | WEL | 200 ppm(Sk) | 266 mgm ³ (Sk) | 250 ppm(Sk) | 333 mgm ³ (Sk) |
| Ethyl Acetate | WEL | 200 ppm | | 400 ppm | |
| Acetone | WEL | 500 ppm | 1210 mgm ³ (Sk) | 1500 ppm | 3620 mgm ³ (Sk) |
| Isopropanol | WEL | 400 ppm | 999 mgm ³ (Sk) | 500 ppm | 1250 mgm ³ (Sk) |

Process Conditions: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Engineering Measures: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

Respiratory System: Wear suitable respiratory protection.

Hands & Eyes: Full length gloves must be worn during all handling operations. Chemical goggles.



Skin & Body: Overalls or Lab coat

Hygiene Measures: Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of the day.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------|----------------|-------------------------|--------------------------------------|
| Appearance | Clear Liquid | Specific Gravity | 0.83 - 0.86 g/cm ³ @ 20°C |
| Odour | Characteristic | pH Value | 6.5 – 7.5 |
| Flash Point | - 7°C | Boiling Point | 60°C |

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10. STABILITY & REACTIVITY

Stability: The product is stable

11. TOXICOLOGICAL INFORMATION

General: Possible reproductive impact.

Health: May cause severe internal injury. May cause unconsciousness, blindness and possibly death.

No evidence of carcinogenic properties.

Route of Entry: Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

Skin Irritation: Hazardous in case of skin contact (irritation)

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12. ECOLOGICAL INFORMATION

Ecotoxicity Dangerous for the environment if discharged into watercourses.

13. DISPOSAL CONSIDERATIONS

Any method of disposal must conform to any national or regional regulations that may be in force.

Used or contaminated product must be disposed of via an approved waste disposal/recycling contractor who are an approved recovery site (Authorisation No. BC0502) and a Registered Carrier of Waste (ENW/030405).

14. TRANSPORT INFORMATION

| | |
|-----------------------|------------------|
| UN No. | 1263 |
| Hazard Warning Sign | Flammable Liquid |
| Emergency Action Code | 31(c) |
| Class | 3.3 |
| Packing Group | II |



15. REGULATORY INFORMATION

Hazard Symbol(s):



| | | |
|-----------------|--------------|---|
| Classification: | Harmful | Flammable |
| Risk Phrases: | R11 | Highly Flammable. |
| | R20/21/22 | Harmful by inhalation and in contact with skin and if swallowed. |
| | R36/38 | Irritating to eyes and skin. |
| | R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| | R63 | Possible risk of harm to the unborn child. |
| | R68/20/21/22 | Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. |
| Safety Phrases | S9 | Keep container in well-ventilated place. |
| | S16 | Keep away from sources of ignition – No Smoking. |
| | S24/25 | Avoid contact with skin and eyes. |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| | S36/37 | Wear suitable protective clothing and gloves. |
| | S51 | Use only in well-ventilated areas. |
| | S60 | This material and its container must be disposed of as hazardous waste. |

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Safety Data Sheet:

15. REGULATORY INFORMATION (Continued)

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|--------------------------|---|
| Contains: | Xylene, Toluene & Methanol |
| Product Use: | Consumer applications such as spray-gun cleaning. |
| UK Regulatory References | The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations. |
| EU Directives | Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations 2001 |

16. OTHER INFORMATION

Only trained personnel should use this material.

The Safety Data Sheet is delivered on first purchase of a product, being sent once only, even when the product is re-supplied on numerous subsequent occasions. The Safety Data Sheet is redelivered (without purchase of goods) whenever its contents have been substantially changed/revised; in addition to which a Safety Data Sheet can be delivered on special request via fax or by post.

RISK PHRASES IN FULL

| | |
|--------------|---|
| R10 | Highly Flammable. |
| R11 | Highly Flammable. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R39/23/24/25 | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R63 | Possible risk of harm to the unborn child. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |