

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**Product name:** CAS 701**Synonyms:** TOLUENE**Use / description of product:** Liquid. Highly flammable. Harmful.**Company name:** Chemique Adhesives & Sealants Ltd

Unit 21

Empire Close

Aldridge

West Midlands

WS9 8UR

United Kingdom

Tel: +44 (0) 1922 459 321

Fax: +44 (0) 1922 452 833

Emergency tel: +44 (0) 1922 459 321

2. COMPOSITION / INFORMATION ON INGREDIENTS**Hazardous ingredients:** TOLUENE >90%

EINECS: 203-625-9 CAS: 108-88-3

[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67

3. HAZARDS IDENTIFICATION**Main hazards:** Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.**Other hazards:** In use, may form flammable / explosive vapour-air mixture.**4. FIRST AID MEASURES (SYMPTOMS)****Skin contact:** There may be irritation and redness at the site of contact.**Eye contact:** There may be irritation and redness. The eyes may water profusely.**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.**4. FIRST AID MEASURES (ACTION)****Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

[cont...]

SAFETY DATA SHEET

CAS 701

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: TOLUENE
TWA 191 mg/m³ STEL 574 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Colourless
Odour: Characteristic odour
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Insoluble
Viscosity: Non-viscous
Boiling point/range°C: 110
Flash point°C: 4
Relative density: 0.871

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Stable at room temperature.
Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.
Materials to avoid: Strong oxidising agents. Strong acids.
Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: CAS 701
IHL LC50 >5 mg/kg
ORL LD50 >2000 mg/kg
SKN LD50 >2000 mg/kg
Hazardous ingredients: TOLUENE
IVN RAT LD50 1960 mg/kg
ORL MUS LD50 2 gm/kg
ORL RAT LD50 6900 mg/kg
Chronic toxicity: Danger of cumulative effects through inhalation.
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Ecotoxicity: CAS 701
ALGAE 72H IC50 >100 mg/l
DAPHNIA 48H EC50 <100 mg/l
FISH 96H LC50 <10 mg/l
Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1294

ADR Class: 3

Shipping name: TOLUENE

Labelling: 3

Hazard ID no: 33

**IMDG / IMO**

UN no: 1294

Class: 3

Packing group: II

EmS: 3-07

Marine pollutant: NO

Labelling: 3

IATA / ICAO

UN no: 1294

Class: 3

Packing group: II

Packing instructions: 307

Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Harmful.



Risk phrases: R11: Highly flammable.
R38: Irritating to skin.
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.
R67: Vapours may cause drowsiness and dizziness.

SAFETY DATA SHEET

CAS 701

Safety phrases: S9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour.
S33: Take precautionary measures against static discharges.
S36/37: Wear suitable protective clothing and gloves.

Precautionary phrases: Restricted to professional users.

Water hazard class:

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R11: Highly flammable.
R38: Irritating to skin.
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.
R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.