

**4) TRANSPORT INFORMATION****CONVEYANCE:**

i) Packaging group:	II	ii) Tremcard:	31
iii) Emergency action card:	3 (Y) E	iv) classification:	Highly flammable
v) Class	3		

UN Number 1994

**5) REGULATORY INFORMATION**

) **LABELLING REQUIREMENTS:HIGHLY FLAMMABLE/HARMFUL**  
 Risk phrases - R11, R20 Safety phrases - S16, 25, 29, 33,51,9

) **SAFETY REQUIREMENTS**  
 Health and Safety at Work Act and New Regs.  
 COSHH  
 Fire Regs.

) This information does not constitute the users own assessment of work place risk as required by other health and safety legislation.

**6) OTHER INFORMATION**

) Training advice  
 ) Recommended uses and restrictions  
 ) Reference/Technical contact  
 LABORATORY, STORMSURE LTD.  
 ) Sources of Data (used to compile data sheet)  
     C.H.I.P Guidance Notes  
     Suppliers safety information  
     Approved carriage list.

**ISK PHRASES REFERED TO ABOVE**

20 Harmful by inhalation

## ) EXPOSURE CONTROLS

- Ventilation: Maintain adequate ventilation, and if necessary a suitable breathing apparatus should be used
- ) Fire Protection: Keep away from all sources of ignition
- ) Eye Protection: Chemical goggles or a face shield should be worn. Always keep an eyewash bottle containing clean water close at hand
- ) Skin Protection: All contact with the skin should be avoided - wear p.v.c. gloves

### General comments

This information is only of a general nature and is not necessarily specific to a particular use, or as a replacement for a full COSHH assessment.

This information should be used in conjunction with your own Risk Assessment.

### General limitations of Gloves

Gloves offer some protection, but engineering and procedural control measures should take priority.

Glove life and performance are task related.

The choice of glove should be based on the manufacturer's recommendation and your risk assessment.

### General aspects of glove selection

Task conditions are crucial to correct glove selection.

The actual choice of glove depends on the circumstances of use.

### Consultation with glove manufacturers/suppliers

Please consult your glove supplier concerning an appropriate glove within his range.

Follow manufacturer's and/or supplier's recommendations for storage, donning, use, removal and disposal of gloves.

Refer to glove manufacturers for specific advice

Glove manufacturers should be appraised of the contents of the SDS so proper advice can be given

## ) PHYSICAL AND CHEMICAL PROPERTIES

- ) Appearance: Colourless liquid
- ) Odour: Aromatic
- ) pH: N/A
- ) Boiling Point/Boiling Range: BP ( )°C BR (110-110.8)°C
- ) Melting Point/Melting Range: MP (-95)°C MR ( )°C
- ) Flash Point: 4 °C
- ) FLAMMABILITY: Highly Flammable
- ) Auto ignition: 552 °C
- ) Explosive limits: 1.2 - 8.0 % by vol. in air
- ) Oxidising properties: N/A
- ) Vapour pressure: 22 mmHg (at 20°C)
- ) Relative density: 0.867 gm/cc at 20°C
- ) Solubility: in water: ( ) miscible ( ) Immiscible ( X )
- ) OTHER DATA: i) Vapour density: 3.1 (air = 1)
- ) Miscibility in organics: iii) evaporation rate: 2.4 (n-Butylacetate = 1)
- ) conductivity: Toluene is known to generate electrostatic charges during pumping and working
- ) viscosity: 0.64 cSt (at 25°C)

## 0) STABILITY AND REACTIVITY

- ) CONDITIONS TO AVOID: Pressure: N/A
- ) MATERIALS TO AVOID: Oxidising Agents: ( X )
- ) HAZARDOUS DECOMPOSITION PRODUCTS: None

## 1) TOXICOLOGICAL INFORMATION

- ) INHALATION: High vapour concentration irritate eyes and respiratory tract and are anaesthetic.
- ) SYMPTOMS: May cause narcosis and systemic effects
- ) INGESTION: May cause narcosis, vomiting and unconsciousness
- ) Skin contact: Liquid is a skin and eye irritant, contact may cause dermatitis
- ) Eye contact: Vapour irritating to the eyes

## 2) ECOLOGICAL INFORMATION

- ) Biodegradability: DOB5 = 400 mg/L of saturated aqueous sol.
- ) Bioaccumulative potential: Likely to bioaccumulate, but with a short retention time (A week or less)
- ) Aquatic toxicity/ecotoxicity: Rating: - Likely to be moderately toxic (TLM96 1 - 10 mg/L)

## 3) DISPOSAL CONSIDERATION

DO NOT pour into drains or dispose of indiscriminately. Obtain the services of a Waste Disposal Contractor and send to a registered tip, or burn under controlled conditions in a suitable incinerator.

# SAFETY DATA SHEET

ISSUE NO. 002

REVIEW DATE: 09/10/07

DATE OF ISSUE: 09/10/05

## IDENTIFICATION OF THE SUBSTANCE STORMCURE ACCELERATOR

### SUPPLIER

Stormsure Ltd  
Valley Farm  
London Road  
Balsham, Cambridge  
CB21 4HH

IN CASE OF EMERGENCY TELEPHONE 01638 570478

### COMPOSITION

Substances	Hazard Symbols	Risk Phrases	Cas.No.	EINECS No.
Toluene	Xn	20	108-88-3	203-625-9

### HAZARDS IDENTIFICATION

#### HUMAN HEALTH EFFECTS

Harmful by inhalation and possible absorption through the skin

### FIRST AID MEASURES

**INHALATION:** Remove patient to fresh air. If breathing has stopped apply artificial respiration and obtain medical attention IMMEDIATELY

#### SKIN AND EYE CONTACT

**SKIN:** Remove contaminated clothing. Wash the affected area with soap and water. If skin irritation persists, obtain medical advice

**EYE:** Flush with plenty of clean water. If irritation persists, obtain medical attention

**INGESTION:** Do not induce vomiting. If patient vomits turn to recovery position. Obtain medical attention immediately

### FIRE FIGHTING MEASURES

#### SUITABLE EXTINGUISHING MEDIA

**LARGE FIRE:** Waterfog, Alcohol resistant foam.

**SMALL FIRE:** CO<sub>2</sub>, Powder, Sand/Earth.

**UNSUITABLE EXTINGUISHING MEDIA:** Water jet

**SPECIAL PROCEDURES:** Protect against static discharges by earthing all equipment

#### EXPOSURE HAZARD

#### SPECIAL PROTECTIVE EQUIPMENT

Breathing apparatus, Protective Gloves, Protective Suits, Safety Glasses.

### ACCIDENTAL RELEASE MEASURES

#### PERSONNEL PRECAUTIONS

Remove sources of ignition, Ensure adequate ventilation, Wear respiratory protection.

Prevent skin and eye contact, Wear protective overalls.

**ENVIRONMENTAL PRECAUTIONS:** Keep away from drains.

**DO NOT CONTAMINATE SURFACE WATER/SOIL**

#### CLEANING METHODS

**RECOMMENDED METHODS:** Use absorbent materials and Place in Steel drums.

**DO NOT USE:** Water

### HANDLING AND STORAGE

**HANDLING:** Toluene is a non-conductor of electricity, and precautions should be taken against static electricity. Equipment should be earthed.

**STORAGE:** Containers should be stored in a cool dry well-ventilated area. Avoiding direct sunlight and other sources of ignition. Keep apart from other flammable liquids and oxidising agents. Ensure containers are clearly labelled.

**PACKAGING:** Suitable - Mild steel, stainless steel, and polyethylene  
Unsuitable - Butyl rubbers, polystyrene, some other plastics, rubber

### EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	Long term Exposure Limit 8hr TWA	Short Term Exposure Limit 15 min Period
-----------	-------------------------------------	--

Toluene

50ppm

150ppm