



## SECTION 1 – STATEMENT OF HAZARDOUS NATURE, CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Statement of Hazardous Nature of Product

This product is classified as Hazardous according to criteria of the National Occupational Health and Safety Commission and is a dangerous good according to Australian Dangerous Goods (ADG) Code.

### Company Details

**Company:** Tilt-Lift Equipment Pty Ltd  
**Address:** 2 Arnold Street, Cheltenham, Victoria, Australia 3192.  
Tel: 03 9583 0115 Fax: 03 9583 9293  
**Company ACN:** 005928987

**Emergency Telephone Number:** 03 9583 0115 B.H  
**1800 039 008 (available 24hrs)**

## IDENTIFICATION

**Product Name:** SURE-LIFT (J-6)

**Other Names:** Not applicable

**Manufacturers Product Code:** Not applicable

**Product Use:** Premium bond breaker for tilt-up and lift slab construction.

**Creation Date:** September 2000

**Revision Date:** February 2008

## SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number	Proportion (%v/v)
White spirits (Stoddard Solvent)	8052-41-3	> 60%
Solvent naphtha (petroleum) light aromatic	64742-95-6	10% - <30%
Mixture of non-hazardous components	-	to 100%

## SECTION 3 – HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Approved Criteria** R65 – Harmful: May cause lung damage if swallowed.  
R10 – Flammable  
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Classification (Calculated):** Safety Phrases S 2, 7, 13, 16, 20, 21, 23, 24/25, 26, 29, 33, 36, 37, 39 43, 45, 61, 62

**SUSDP Classification:** Schedule 5

**ADG Classification:** Petroleum Distillates, N.O.S. (Contains Stoddard Solvent)

**UN Number:** 1268

**HAZCHEM CODE:** 3[Y]

**Colour:** Red

**Physical description:** Liquid

**Odour:** Characteristic hydrocarbon solvent odour

**Major Health Hazards:** Harmful: Exposure may cause lung damage if swallowed.

## POTENTIAL HEALTH EFFECTS

### Inhalation

**Short term exposure:** Inhalation of vapours generated during process operations may irritate nose and throat.

**Long term exposure:** Excessive inhalation of vapour can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and even unconsciousness and asphyxiation.

### Skin Contact

**Short term exposure:** Mildly irritating to the skin. Avoid contact with skin by wearing full-length protective clothing and impervious gloves.



**Long term exposure:** Prolonged exposure may lead to defatting of the skin and potentially dermatitis.

### Eye Contact

**Short term exposure:** May cause irritation to the eyes. This may manifest itself as redness, tearing and blurred vision.

**Long term exposure:** Temporary irritation and inflammation may occur.

### Ingestion

**Short term exposure:** May cause irritation to the mouth, throat and digestive tract and may cause nausea, vomiting and diarrhoea. Aspiration of the material into the lungs may cause chemical pneumonitis.

**Long term exposure:** May cause temporary irritation to gastrointestinal system.

### Other relevant information:

The above listed potential effects of exposure are based on data and results of studies performed upon individual components. The finished product has not been tested as a whole.

### CARCINOGEN STATUS

NOHSC:	Not available.
Mutagenic Effects:	Not available.
Reproductive Effects:	Not available.
Carcinogenic Effects:	Not available.
Other Health Hazard:	Not available.

## SECTION 4 – FIRST AID MEASURES

### Scheduled Poisons

Schedule 5 poison.

### Inhalation

Remove person to fresh air and provide oxygen if there is difficulty in breathing. Seek medical advice. If not breathing, apply artificial respiration and seek urgent medical aid.

### Skin contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek immediate medical advice if irritation develops or persists.

### Eye contact

If in eyes, hold eyelids apart and flush the eye continuously with running water, continue flushing until advised to stop by the Poisons Information Centre or a doctor or for at least 15 minutes.

### Ingestion

DO NOT induce vomiting. If conscious, wash out mouth with water. If swallowed contact a doctor or the Poisons Information Centre immediately (Australia 13 1126; New Zealand 03 4747000) and show container, label or this MSDS.

### First Aid facilities

Safety shower and eye wash station plus normal washroom facilities.

### Notes to physicians

Treat symptomatically. This product may present an aspiration hazard. If vomiting has occurred after ingestion, the patient should be monitored for adverse effects.

## SECTION 5 – FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** **Fire:** Flammable liquid.

**Explosion:** Protect against electrostatic charge.

### Extinguishing Media:

Extinguishing material should be selected according to surrounding combustible material. Use foam for large fires and CO<sub>2</sub>, dry chemical for small fires. Do not use water or water jet as water may cause splattering on hot material. The product will float on water, using water may spread the fire.

### Fire Fighting:

Self-contained breathing apparatus and fire fighting clothing should be worn when fighting large fires involving chemicals. Use water spray to cool fire exposed surfaces and any adjacent storage vessels. Shut off source of product if safe to do so.



**Flashpoint (closed cup):** 39°C.  
**HAZCHEM Code:** 3[Y].

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Occupational Release:

Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill and absorb with sand or earth. Place used absorbent in suitable sealed containers and follow state or local regulations for the disposal of the waste. Do not flush with water or aqueous cleaning agents. Do not allow product to enter drains, sewers or water courses – inform local authorities if this occurs. If spills occur in an enclosed area an approved organic vapour respirator or self-contained breathing apparatus (SCBA) should be used. Safety goggles, boots, gloves and full-length clothing should be used during clean-up procedures.

### Spill Protective Equipment:

**Eye:** Safety glasses or goggles are recommended to avoid eye contact. If there is the possibility of splashing a full-face mask is recommended to prevent entry to the eye.

**Skin:** Full-length clothing, gloves and boots should be used in a spill scenario. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse.

**Inhalation:** Use SCBA or other supply-air respirator for large spills in confined areas. An approved (AS1716) organic vapour mask should be used for small spills.

**Precautions:** Avoid skin and eye contact and do not swallow.

## SECTION 7 – HANDLING AND STORAGE

### Handling

The product should be used in a well-ventilated area to minimise the potential for the build up of vapours above the nominated exposure levels. Forced ventilation should be used if there is the potential for vapours to exceed the nominated levels. It is recommended that safety glasses, goggles or a full-face shield be used if there is the potential for the product to enter the eye. An air-supplied respirator is preferential to an approved organic vapour respirator if there is the potential for inhaling vapour during the application process. Gloves and full-length clothing should also be worn. The material should not be allowed to enter drains, sewers or waterways – inform local authorities if this occurs. Good personal hygiene practices, such as washing hands before eating, smoking or drinking should be observed.

### Storage

Store in a well ventilated area away from ignition or sparking sources, oxidising agents, foodstuffs and clothing. Keep in original container and keep closed when not in use. If decanting into another container, reproduce all information from the label onto the new container. Containers should always be kept closed in storage and properly labelled. Do not store in low or enclosed areas where vapours may become trapped, and to prevent the build-up of flammable vapours. Static electricity will accumulate when decanting material and may ignite vapours. Prevent a possible fire hazard by bonding, grounding or inert gas purge. Empty product containers may contain flammable residue. DO NOT reuse empty containers without commercial cleaning or reconditioning. Do not store at temperatures above 48.8°C.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION EXPOSURE LIMITS

### EXPOSURE STANDARDS

#### White Spirit (Stoddard Solvent)

##### NOHSC

TWA – 790 mg/m<sup>3</sup>

##### ACGIH

TLV - 525mg/m<sup>3</sup> or 100 ppm

### ENGINEERING CONTROLS

#### Ventilation

Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standards. The vapour may travel a considerable distance to the source of



ignition and flash back. Flameproof equipment is necessary in the area where this chemical is used as explosive mixtures may form with air. Nearby equipment must be earthed. Hoses should be electrically continuous and containers bonded to avoid static charge build-up.

## PERSONAL PROTECTION

### Eye Protection

Avoid eye contact with product. Safety glasses or goggles are recommended to avoid eye contact. If there is the possibility of splashing a full-face mask is recommended to prevent entry to the eye.

### Skin Protection

Avoid repeated or prolonged skin contact. Wash hands at meal times and at the end of the shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Wear full-length clothing, boots and suitable protective gloves when handling this material.

### Protective Material Types

Nitrile gloves should be used during routine application.

### Respirator

During routine operation a respirator is not required. However, if mists or vapours are generated, an approved organic vapour respirator is required. Use respirators in accordance with AS 1715 and AS 1716. Self-contained breathing apparatus (SCBA) or other supplied-air respirator is recommended whenever there is inadequate ventilation and where the nominated exposure limit is exceeded.

## SECTION 9 – PHYSICAL AND CHEMICAL DESCRIPTION

<b>Boiling Point:</b>	162°C
<b>Freezing Point:</b>	Not applicable
<b>Viscosity (cSt at 40°C):</b>	5.1cSt
<b>Vapour Pressure (20°C):</b>	4mmHg
<b>Specific Gravity:</b>	Typically 0.77
<b>Flashpoint:</b>	39°C
<b>Flammability Limits:</b>	0.7% - 7.5%
<b>Ignition Temperature:</b>	230°C
<b>Solubility in Water (20°C):</b>	Not miscible

<b>pH:</b>	Not available
<b>Volatility:</b>	Not available
<b>Odour Threshold:</b>	Not available
<b>Evaporation Rate:</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Flammable liquid. Forms explosive mixtures with air. The low flashpoint indicates the flammability of the product at ambient temperatures. Static discharge may cause ignition of vapours, therefore earth containers whilst decanting.
<b>Conditions to Avoid:</b>	Avoid contact with incompatible materials.
<b>Incompatibilities:</b>	Store away from oxidising agents including nitric acid, ignition sources and foodstuff. May attack plastic rubber and some coatings.
<b>Hazardous Decomposition:</b>	Combustion produces oxides of carbon and hydrocarbon vapours.
<b>Polymerisation:</b>	Hazardous polymerisation will not occur.



## SECTION 11 – TOXICOLOGICAL INFORMATION

**Local Effects:** Aspiration hazard if swallowed.  
**Target Organs:** Liver, kidney, lungs, central nervous system.

### CLASSIFICATION OF HAZARDOUS INGREDIENTS

#### WHITE SPIRITS (STODDARD SOLVENT)

**Irritation Data:** Dermal LD50 (rabbit): 2000-3000mg/kg resulted in 1 death in 16 exposed animals  
**Toxicity Data:** Oral LD50 (rat): no mortality found at 5000 mg/kg; Inhalation LC50 (rat): 8 h trial at 8200 mg/kg LC50 not achieved.  
**Local Effects:** Gastrointestinal and skin irritation.  
**Target Organs:** Lung, liver, kidney and central nervous system.  
**Mutagenic effects:** Not available.  
**Reproductive effects:** Not available.  
**Acute Toxicity Level:** Not available.

#### SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC

**Irritation Data:** Dermal LD50 (rabbit): >3400 mg/kg  
**Toxicity Data:** Oral LD50 (rat): >6800 mg/kg; Inhalation LC50 (rat): >10.2 mg/L/4hr  
**Local Effects:** Harmful: May cause lung damage if swallowed.  
**Target Organs:** Lung, liver, kidney and central nervous system.  
**Mutagenic effects:** Not available.  
**Reproductive effects:** Not available.  
**Acute Toxicity Level:** Not available.

## SECTION 12 – ECOLOGICAL INFORMATION

### Environmental Precautions

Keep away from drains, waterways and soil. Harmful to fish. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### Methods for Disposal

Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with absorbent material. Place used absorbent material in suitable sealed containers and follow state or local regulations for the disposal of the waste. Do not flush with water or aqueous cleansing agents. Do not allow product to enter drains, sewers or watercourses - inform local authorities if this occurs.

## SECTION 14 – TRANSPORT INFORMATION

**ADG code:** Class 3  
**HAZCHEM Code:** 3[Y]  
**Special provision:** 109, 185  
**Packaging Group:** III  
**Packaging Method:** 3.8.3

## SECTION 15 – REGULATORY INFORMATION

All ingredients present on AICS.  
The mixture contains <0.1% benzene.



## SECTION 16 – OTHER INFORMATION

### LABELLING DETAILS

Hazard symbol: Xn Harmful

R-phrases: R65 – Harmful: May cause lung damage if swallowed.  
R10 – Flammable.  
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases: S 2 – Keep out of reach of children.  
S 7 – Keep container tightly closed.  
S 13 – Keep away from food, drink, and animal feeding stuff.  
S 16 – Keep away from sources of ignition – no smoking.  
S 20 – When using, do not eat or drink.  
S 21 – When using do not smoke.  
S 23 – Do not breathe fumes/vapour/spray.  
S 24/25 – Avoid contact with skin and eyes.  
S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 29 – Do not empty into drains, dispose of this material and its container at a hazardous or special waste collection point.  
S 33 – Take precautionary measures against static discharge.  
S 36 – Wear suitable protective clothing.  
S 37 /39 – Wear suitable gloves and eye/face protection.  
S 43 – In case of fire, use foam for large fires and water spray (fog), dry chemical or carbon dioxide for small fires.  
S 45 – In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre (Phone Australia 13 1126; New Zealand 03 4747000), (show the label where possible).  
S 61 – Avoid release to the environment. Refer to special instructions/safety data sheets.  
S 62 – If swallowed, do not induce vomiting; seek medical advice immediately and show label, container or MSDS.

**ADG Classification: Class 3 Petroleum Distillates, N.O.S. (Contains Stoddard Solvent)**

<b>Acronyms</b>	<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs and Poisons
	<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
	<b>CAS Number</b>	Chemical Abstracts Service Registry Number
	<b>UN Number</b>	United Nations Number
	<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
	<b>R-Phrase</b>	Risk Phrases
	<b>S-Phrase</b>	Safety Phrases
	<b>HAZCHEM No</b>	An emergency action code of numbers and letters which gives information to emergency services
	<b>NOHSC</b>	National Occupational Health and Safety Commission
	<b>AICS</b>	Australian Inventory of Chemical Substances

## CONTACT POINT

For further information, contact the Technical Director on ph 9583 0115 BH.

### Important Note:

All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet. Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.