

NIGHTINGALE SUPPLY

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MATERIAL SAFETY DATA SHEET

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF
WORKSAFE AUSTRALIA**

IDENTIFICATION SECTION:

Product Name : **ST 71 STYRENE ADHESIVE THINNERS**
Correct Shipping Name : Flammable Liquid NOS
U.N. Number : 1208
Dangerous Goods Class : 3
& Subsidiary Risk : none allocated
Hazchem Code : 3 (Y) E
Packaging Group : 11
Poison Schedule : S5
EPG : 3A1
Use: : Solvent Thinner for contact adhesive,
formulated for the clean up of contact
adhesive spills on new work.

PHYSICAL DESCRIPTION / PROPERTIES:

Appearance : Thin pale tan coloured solution with solvent
odour.
Boiling Point : 62 - 67°C
Vapour pressure @ 25°C : not available
Specific Gravity : 0.67 g/cm³ (hexane)
Flash Point : Less than 30°C (hexane)
Flammability Limits : LEL 1.2% (hexane) UEL 7.5% (hexane)
Autoignition Temp. : 225°C
Other information:
Solubility in water (g/L) : Immiscible

HAZARDOUS INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Hexane	110-54-3	100 %

HEALTH HAZARD INFORMATION:

Health Effects:

- Acute – Swallowed** Ingestion can cause nausea, vomiting, cough and pulmonary irritation. If the patient vomits the material can break up into a foam which, if aspirated into the lungs, can lead to chemical pneumonitis.
- Acute – Eye** May be an eye irritant.
- Acute – Skin** Contact with skin may result in irritation.
- Acute - Inhaled** Inhalation of high vapour concentrations may cause irritation to the respiratory tract, headache, dizziness and other central nervous system effect.
- Chronic:** Danger of serious damage to health by prolonged exposure. Repeated or prolonged skin contact may lead to irritation which can lead to dermatitis. Repeated or prolonged inhalation of high concentrations of vapours may lead to central nervous system effects.
Chronic exposure to high n-hexane vapour concentrations can lead to progressive and potentially irreversible peripheral polyneuropathy, a disorder of the peripheral nervous system. This effect can be enhanced by concurrent exposure to Methyl Ethyl Ketone (MEK), although MEK alone will not cause the effect.

FIRST AID:

Swallowed:

If swallowed, DO NOT induce vomiting. Give patient a glass of water to drink and seek medical advice.

Skin:

Remove contaminated clothing and footwear. Thoroughly wash affected area with soap and water. If irritation occurs seek medical attention. Launder clothing before re-use.

Eyes:

Flush with plenty of water for at least 15 minutes. Seek medical attention.

Inhalation:

Remove patient to fresh air and seek medical advice.

First Aid Facilities:

Ensure that safety shower and eye wash bath are readily accessible.

Advice to Doctor:

Treat symptomatically.

Exposure Limits:

No exposure standard is available for the material as such. Exposure standards for the hazardous components are as follows (NOHSC-1995):

Hexane (n-hexane): TWA: 50ppm (176mg/m³)

(other isomers): TWA: 500 ppm (1,760mg/m³)

STEL: 1,000 ppm (3,500mg/m³)

TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40 hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TWAs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TWAs should not be used as fine lines between safe and dangerous concentrations.

STEL (Short Term Exposure Limit) is the airborne concentration averaged over a 15 minute period. This limit is not to be exceeded at any time during a normal 8 hour work day.

Engineering Controls:

Use in a well ventilated area where the recommended exposure standards will not be exceeded. If mechanical ventilation is used it should be suitable for use with flammable materials.

Ventilation:

Use with adequate ventilation.

Personal Protection:

Avoid contact with skin and eyes and avoid breathing vapours.

The following personal protective equipment is recommended:

Organic vapour cartridge mask or similar, complying with AS1716, if ventilation is inadequate or if working in a confined area.

Safety glasses.

Chemical resistant rubber gloves.

Environment:

Avoid contaminating waterways.

Fire Hazards:

Highly flammable.

SAFE HANDLING INFORMATION:**Storage and Transport:**

Keep containers in a well ventilated place.

Store under cool, dry conditions away from oxidising agents and sources of ignition.

Proper shipping name: HEXANES
UN 1208 PACKAGING GROUP 11
CLASSIFIED as a 3 Flammable Liquid Dangerous Good
For the purpose of storage and transport.

Spills:

Remove unprotected personnel from the area. Wear protective equipment to prevent all skin and eye contamination eg. Overalls, gloves and chemical goggles or a full face respirator. Wear a respirator with organic vapour canister. Prevent the spill from running into drains or waterways, then cover with inert absorbent material eg. Sand, soil or vermiculite. Shovel into drums for disposal using a non sparking shovel and label clearly, then wash down the area with excess water. If the spill has run into drains or waterways contact the Local Emergency Services.

Disposal:

Refer to State Land Waste Management Authority. Advise them of the flammable nature of the product.

Fire/Explosion Hazard:

Vapours can readily be ignited at temperatures at or above flash point.

Hazardous decomposition products on burning include: oxides of carbon, smoke and other toxic fumes.

Fire-fighting personnel to wear self contained breathing apparatus if at risk of exposure to products of combustion.

Extinguishing media: Foam, dry chemical, carbon dioxide.

Hazardous Reaction:

Incompatible with strong oxidising agents.

Hazchem Code: 3 (Y) E

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