

# SAFETY DATA SHEET

## SOLVADEX : BITUMEN CLEANER

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	SOLVADEX
Product Code	232
Product Use	Solvent removal for bitumen
Company Name	Byre Chemicals
Address	3/43 Byre Avenue Somerton Park SA 5044
Telephone	08 8350 9228
Fax	08 8350 9334
Emergency phone no.	0412 426 697
Email	<a href="mailto:info@byrechemicals.com.au">info@byrechemicals.com.au</a>

### 2. HAZARDS IDENTIFICATION

*Hazardous chemical according to classification Safe Work Australia.  
Dangerous goods according to the Aust. Code for the transport of Dangerous Goods by Road or Rail*

Signal Word	DANGER
GHS Classification	H226 Flammable liquid and vapour Category 3 H304 May be fatal if swallowed and enters airways Category 1 H315 Causes skin irritation Category 2 H412 Harmful to aquatic life with long lasting effects Category 3

**Precautionary Statement**  
 P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of the reach of children  
 P103 Read label before use

*Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING.  
Use only non sparking tools*

*Avoid contact with skin and eyes  
Wear eye protection and rubber gloves*

*Avoid inhaling mists*

*If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.*

*Splashes on skin to be washed off immediately*

*If splashed into eyes, remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.*

*Keep containers tightly closed and store in a lock-up facility.*

**Pictograms**



**BYRE CHEMICALS**

**SOLVADEX : BITUMEN CLEANER****3. COMPOSITION /INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS.NO.	PROPORTION
Low aromatic white spirits	64742-82-1	10 – 30 %
Butyl glycol ether	111-76-2	10 - 30 %
Xylene	1330-20-7	1 – 10 %
Surfactant	blend	1 - 10 %
d-limonene	5989-27-5	10 - 30 %
Non hazardous ingredients		Balance

**4. FIRST-AID MEASURES**

<b>INHALATION</b>	Avoid generating mists. Remove casualty from contaminated area
<b>INGESTION</b>	If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital.
<b>SKIN</b>	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.
<b>EYE</b>	If in eyes, hold eyelids apart and flood the eye continuously with water for at least 15 minutes. Seek medical attention
<b>FIRST AID</b>	Eye wash. Safety shower , hand wash basin
<b>ADVICE TO DOCTOR</b>	Treat symptomatically

**5. FIREFIGHTING MEASURES**

<b>Extinguishing Media</b>	Foam, water spray or fog , dry chemical powder or carbon dioxide.
<b>Hazards from Combustion</b>	Carbon monoxide may be evolved if incomplete combustion occurs. Vapour is heavier than air, can spread along ground and distant ignition is possible
<b>Precaution for Firefighters</b>	Wear chemical suit and self-contained breathing apparatus. Prevent run off from entering drains and waterways. HAZCHEM CODE 3Y

**6. ACCIDENTAL RELEASE MEASURES****EMERGENCY PROCEDURE**

Evacuate all unauthorised personnel. Isolate hazard area. Avoid contact with spilled or released material. Remove all sources of ignition to the surrounding area. Take precautionary measures against static discharge. Do not breathe fumes or handle damaged containers  
 For all spills absorb onto an inert material such as dirt or sand. The collected material should then be transferred into suitable containers , labelled and disposed of in an appropriate way.  
 Dispose of waste according to applicable local and national regulations

**7. HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING**

Flammable product. Wear appropriate protective clothing  
 Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. NO SMOKING . Keep containers sealed when not in use. Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut, heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities

**CONDITIONS FOR SAFE STORAGE**

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents , strong acids, peroxides, foodstuffs and clothing. Large quantities should be stored in a bunded dangerous goods store. Store in original containers

**BYRE CHEMICALS**

**SOLVADEX : BITUMEN CLEANER****8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Limits	Mineral Spirits 150-200 HSPA 350mg/m <sup>3</sup> TWA (8hr.)
Engineering Controls	This substance is hazardous. Ensure adequate ventilation is provided Avoid generating and inhaling mists. Maintain air concentrations below recommended exposure standards.
Eye Protection	Safety glasses with side shields should be used.
Hand Protection	Wear gloves of impervious material such as neoprene, or nitrile rubber.
Hygiene Measures	Avoid contact with skin, eyes and clothing Wash hands after handling product. Keep away from foodstuffs.
Skin & Body Protection	Wear rubber apron

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear blue mobile liquid
Odour	Paraffinic
pH	Not applicable
Boiling Point	Above 140C
Vapour Pressure	0.37
Vapour Density	4.35
Flash Point	42C (Abel)
Specific Gravity	0.82
Auto Ignition Temp	Typical 290C
Solubility in Water	Forms unstable emulsion with water

**10. STABILITY AND REACTIVITY**

Reactivity	Stable under normal conditions of use.
Chemical Stability	Stable under normal conditions of storage and handling
Conditions to avoid	Excess heat ,sparks, open flames and other ignition sources.
Incompatible materials	Strong reducing agents.
Hazardous decomposition	Thermal decomposition may result in release of irritating fumes including carbon dioxide and carbon monoxide
Hazardous polymerization	Will not occur under normal conditions

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	White Spirit LD <sub>50</sub> Oral ( Rat ) greater than 2000 mgm/kg LD <sub>50</sub> Dermal (Rabbit) greater than 2000 mgm/kg
Ingestion	Xylene LD <sub>50</sub> Dermal (Rabbit) greater than 4300 mgm/kg Harmful if swallowed. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Eyes	Mild irritant
Skin	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Carcinogenic	No evidence of carcinogenic properties
Reproductive toxicity	Not expected to impair fertility
Specific target Toxicity	Central Nervous System-repeated exposure affects the nervous system Effects seen only at continued high doses
Chronic Effects	Repeated or prolonged skin contact may cause chronic dermatitis.

**12. ECOLOGICAL INFORMATION**

Ecotoxicity	Fish, algae, microorganisms Expected to be harmful
Chronic toxicity	Data not available
Persistence/Degradability	Readily biodegradable. Oxidises by photo-chemical reactions in air.
Mobility	Dispersion formed with water
Bioaccumulative Potential	Has the potential to bio accumulate
Environmental	Do not discharge into drains, sewers, waterways

**SOLVADEX : BITUMEN CLEANER****13. DISPOSAL CONSIDERATIONS**

<i>Spills &amp; Disposal</i>	<i>For spillages liquid should be contained using sand or earth and then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition.</i>
<i>Disposal</i>	<i>Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State</i>

**14. TRANSPORT INFORMATION**

<i>Proper Shipping Name</i>	<i>FLAMMABLE LIQUID N.O.S.</i>
<i>UN.NO.</i>	<i>1993</i>
<i>Packaging Group</i>	<i>111</i>
<i>Hazchem Code</i>	<i>3Y</i>
<i>DG Class</i>	<i>3</i>

**15. REGULATORY INFORMATION**

<i>Regulatory Information</i>	<i>Classified as hazardous according to criteria of NOHSC Poisons Schedule S5</i>
<i>Hazard Category</i>	<i>Flammable liquid</i>
<i>Risk Statement</i>	<i>Irritant.</i>
<i>Safety Statement</i>	<i>Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.</i>

**16. OTHER INFORMATION**

<i>Preparer Signature</i>	<i>Technical Director</i>
<i>Contact</i>	<i>Telephone: 08 8350 9228 24 hour emergency number 0412 426 697</i>

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