

SAFETY DATA SHEET

BITUSOLV : BITUMEN AND TAR REMOVER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	BITUSOLV
Product Code	212
Product Use	Solvent for removing tar and bitumen residues
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	info@byrechemicals.com.au

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 Category 3 H304 May be fatal if swallowed and enters airways Category 1 H315 Skin Irritation Category 2 H412 Hazardous to the aquatic environment Category 3

Precautionary Statement

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of 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



BITUSOLV ; BITUMEN AND TAR REMOVER

3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Low aromatic white spirits	64742-82-1	60 – 100 %
Pine Oil	8002-09-3	1 – 10 %
Surfactant	blend	1 - 10 %
Butyl Glycol Ether	111-76-2	1 - 10 %
Non hazardous ingredients		Balance

4. FIRST-AID MEASURES

INHALATION	<i>Avoid generating mists. Remove casualty from contaminated area</i>
INGESTION	<i>If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital.</i>
SKIN	<i>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.</i>
EYE	<i>If in eyes, hold eyelids apart and flood the eye continuously with water for at least 15 minutes. Seek medical attention</i>
FIRST AID	<i>Eye wash. Safety shower , hand wash basin</i>
ADVICE TO DOCTOR	<i>Treat symptomatically</i>

5. FIREFIGHTING MEASURES

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

BITUSOLV : BITUMEN AND TAR REMOVER

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<i>Exposure Limits</i>	<i>Mineral Spirits 150-200 HSPA 350mg/m³ TWA (8hr.)</i>
<i>Engineering Controls</i>	<i>This substance is hazardous. Ensure adequate ventilation is provided Avoid generating and inhaling mists. Maintain air concentrations below recommended exposure standards.</i>
<i>Eye Protection</i>	<i>Safety glasses with side shields should be used.</i>
<i>Hand Protection</i>	<i>Wear gloves of impervious material such as neoprene, or nitrile rubber.</i>
<i>Hygiene Measures</i>	<i>Avoid contact with skin, eyes and clothing Wash hands after handling product. Keep away from foodstuffs.</i>
<i>Skin & Body Protection</i>	<i>Wear rubber apron</i>

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance</i>	<i>Clear blue mobile liquid</i>
<i>Odour</i>	<i>Paraffinic</i>
<i>pH</i>	<i>Not applicable</i>
<i>Boiling Point</i>	<i>Above 130C</i>
<i>Vapour Pressure</i>	<i>0.37</i>
<i>Vapour Density</i>	<i>4.35</i>
<i>Flash Point</i>	<i>42C (Abel)</i>
<i>Specific Gravity</i>	<i>0.82</i>
<i>Auto Ignition Temp</i>	<i>Typical 280C</i>
<i>Solubility in Water</i>	<i>Forms emulsion with water</i>

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	<i>LD₅₀ Oral (Rat) greater than 2000 mgm/kg LD₅₀ Dermal (Rabbit) greater than 2000 mgm/kg</i>
<i>Ingestion</i>	<i>Harmful if swallowed. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.</i>
<i>Eyes</i>	<i>Mild irritant</i>
<i>Skin</i>	<i>Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.</i>
<i>Carcinogenic</i>	<i>No evidence of carcinogenic properties</i>
<i>Reproductive toxicity</i>	<i>Not expected to impair fertility</i>
<i>Specific target Toxicity</i>	<i>Central Nervous System-repeated exposure affects the nervous system Effects seen only at continued high doses</i>
<i>Chronic Effects</i>	<i>Repeated or prolonged skin contact may cause chronic dermatitis.</i>

12. ECOLOGICAL INFORMATION

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

BYRE CHEMICALS

BITUSOLV : BITUMEN AND TAR REMOVER**13. DISPOSAL CONSIDERATIONS****Spills & Disposal**

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.

Disposal

Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION**Regulatory Information**

*Classified as hazardous according to criteria of NOHSC
Poisons Schedule S5*

Hazard Category

Flammable liquid

Risk Statement

Irritant.

Safety Statement

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.

16. OTHER INFORMATION**Preparer Signature
Contact**

*Technical Director
Telephone: 08 8350 9228
24 hour emergency number 0412 426 697*

Every care is taken to ensure that the information printed hereon is true and accurate and that the contents are suitable for the purposes represented, but since the conditions of use are beyond the control of the manufacturers, they make no warranty, express or implied, and disclaim any liability in connection with the use of this product, whether used separately or in combination with any other substance.