



Product Name

**HARD CARBON SOAK**

**SAFETY DATA SHEET**

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Supplier Name** Dyna Fuels Australia  
**Address** Factory 94 -38/40 Popes Road Keyborough  
**Telephone** (03) 97080023  
**Fax**  
**Emergency** 0405749145  
**Web Site** [www.dynafuels.com](http://www.dynafuels.com)  
**Synonym(s)** None  
**Use** Product to remove baked-on carbon  
**SDS Date** 25 September 2019

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## 2. HAZARDS IDENTIFICATION

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**CLASSIFIED AS HAZARDOUS ACCORDING TO SAFEWORK AUSTRALIA CRITERIA**

**Hazard Category** C: Corrosive  
Xn: Harmful

### RISK PHRASES

R34 Causes burns  
R20/21/22 Harmful by inhalation, in contact with skin and if  
R36/37/38 swallowed Irritating to eyes, skin and respiratory system.

### SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water  
and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection  
S45 In case of accident or if you feel unwell, seek medical advice  
immediately.

**CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient	Formula	CAS No.	Content
2-aminoethanol	C <sub>2</sub> H <sub>7</sub> ON	141-43-5	30 to 50%
Alcohol ethoxylate			5 to 10%
Diethylene glycol monobutyl ether	C <sub>8</sub> H <sub>18</sub> O <sub>3</sub>	112-34-5	5 to 10%
Water and other non- hazardous ingredients	Mixture	-	>60%

**4. FIRST AID MEASURES**

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<b>Eye</b>	Hold eyes open and flush immediately with large amounts of water for at least 15 minutes. Seek medical attention immediately.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth to mouth method. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
<b>Skin</b>	Remove contaminated clothing and wash affected area with soap and running water. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water and drink several glasses of water. Do not induce vomiting. For further information, contact a doctor or Poisons Information Centre on 13 11 26.
<b>Advice to Doctor</b>	In case of burns, treat as for thermal burn, after decontamination. Swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**First Aid Facilities** Safety shower and eye wash station.

**5. FIRE FIGHTING MEASURES**

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<b>Extinguishing media</b>	Not flammable. Use extinguishing media appropriate to the source of the fire.
<b>Hazards from combustion products</b>	When heated to decomposition, may evolve toxic gases including oxides of carbon and nitrogen.
<b>Precautions for firefighters</b>	Treat as for surrounding fire. Evacuate the area, keep upwind of fire and advise persons downwind of the hazard. Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water to cool intact containers.

**6. ACCIDENTAL RELEASE MEASURES**

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<b>Emergency procedures</b>	Clean up spills immediately to prevent further accidents. Personnel involved in the clean up of large spills should wear appropriate protective clothing as specified in Section 8. Evacuate all unnecessary personnel. Stop leak if safe to do so.
<b>Spillage</b>	Small spills may be neutralised with sodium bisulphate or diluted with water and mopped up. For large spills, contain spilled material using sand, earth or other absorbent material. Do not let product reach drains or waterways. Contain and recover liquid where possible. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth to suitable containers for disposal. After cleaning up, wash affected area with water.

**7. STORAGE AND HANDLING**

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<b>Storage</b>	Store in a cool, dry, well-ventilated area in the original container. Keep container closed when not in use.
<b>Handling</b>	Read the product label before use. Avoid skin and eye contact and inhalation of fumes or spray. Always wash hands before eating,

smoking or using the toilet. Wash contaminated clothing and other personal protective equipment before storing or re-using.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standards</b>	None established for this product.
<b>Biological Limits</b>	None allocated.
<b>Engineering Controls</b>	No special engineering controls required. Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.
<b>PPE</b>	<p><b>Eye Protection:</b> Face shield and/or chemical goggles (AS 1336/1337).</p> <p><b>Glove Type:</b> Impervious PVC, rubber or nitrile gloves (AS 2161).</p> <p><b>Clothing:</b> PVC, nitrile or rubber apron and enclosed shoes.</p> <p><b>Respirator:</b> If an inhalation risk exists, wear an approved respirator complying with AS 1715/1716. In general, respirator use should be limited and engineering controls used to minimise exposure. If respirators must be worn, ensure adequate respirator selection and training is undertaken. Some respirators are extremely uncomfortable to wear for extended periods. Air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.</p>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Red liquid	<b>Solubility (Water)</b>	Soluble
<b>Odour</b>	Mild ammoniacal	<b>Specific Gravity</b>	Approx. 1.05
<b>pH (neat)</b>	>12	<b>% Volatiles</b>	>80%
<b>Vapour Pressure</b>	Not determined	<b>Flammability</b>	Not flammable
<b>Vapour Density</b>	Not determined	<b>Flash Point</b>	Not applicable
<b>Boiling Point</b>	>100°C	<b>Upper Explosion Limit</b>	Not applicable
<b>Melting Point</b>	<0°C	<b>Lower Explosion Limit</b>	Not applicable
<b>Evaporation Rate</b>	Not determined		

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended conditions of storage and use.
<b>Conditions to Avoid</b>	Keep away from heat and avoid storing or heating above 50°C.
<b>Materials to Avoid</b>	Avoid contact with metals such as aluminium, brass and copper. Flammable hydrogen gas may be generated from contact with metals such as aluminium and zinc. Avoid contact with strong acids, halogenated hydrocarbons and strong oxidizing agents,
<b>Decomposition</b>	May evolve toxic gases including oxides of carbon and nitrogen when heated to decomposition.
<b>Hazardous Reactions</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	This product is considered to be of low toxicity by ingestion. Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.
<b>Eye</b>	Irritant. May cause irritation including lacrimation, severe discomfort or pain and redness and blurring of vision. May cause permanent damage if not treated promptly.

<b>Inhalation</b>	Inhalation of vapour may cause irritation of the upper respiratory tract if prolonged or repeated. Inhalation of mist or spray may cause severe irritation of the upper respiratory tract.
<b>Skin</b>	Irritating to the skin Components of this product may be absorbed through the skin. Prolonged contact may cause skin burns. Prolonged or widespread skin contact may result in absorption of harmful amounts.
<b>Ingestion</b>	Low toxicity if swallowed. Ingestion may cause gastrointestinal irritation or ulceration and burns of mouth and throat.
<b>Toxicity Data</b>	Low systemic toxicity.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	<del>Hazardous to aquatic organisms. Do not contaminate waterways with the product or used containers.</del>
<b>Persistence and Degradability</b>	All the components of this product are classified as readily biodegradable.
<b>Mobility</b>	Expected to be highly mobile in soil.
<b>Bioaccumulation</b>	None of the ingredients in this product are known to have any potential to bioaccumulate.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	<del>Small amounts may be diluted with excess water and flushed to drain.</del> Larger quantities should be disposed of at an approved waste site. Refer to waste management authority. Containers should be thoroughly rinsed and recycled.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>Shipping Name</b>	CORROSIVE LIQID N.O.S. (ETHANOLAMINE SOLUTION)		
<b>UN No.</b>	2491	<b>DG Class</b>	8
<b>Packing Group</b>	III	<b>Hazchem Code</b>	2X
		<b>Subsidiary Risk(s)</b>	None

## 15. REGULATORY INFORMATION

<b>Poison Schedule</b>	Schedule 6
<b>AICS</b>	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

<b>Additional Information</b>	<del>The effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control methods as appropriate.</del>
<b>Report Status</b>	This document is based on the best available information at the time of issue and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for this product. While all due care has been taken to include accurate and up-to-date information, no warranty as to accuracy or completeness is provided. As far as lawfully possible, Chemsol accepts no liability for any loss, injury or damage (including consequential loss) which

may be suffered or incurred by any person as a consequence of reliance on the information contained in this Safety Data Sheet.

**Prepared By**

Dyna Fuels Australia

**End of Report**