

SAFETY DATA SHEET

BRUTE : HEAVY DUTY CLEANER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name BRUTE
Product Code 230
Product Use Heavy duty general purpose cleaner
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

GHS Classification H315 Causes skin irritation Category 2
 H318 Causes serious eye damage Category 1
Signal Word DANGER
Hazard Statement Harmful if swallowed
 Causes burns and eye damage
Precautionary Statement
 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



3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Butyl glycol ether	111-76-2	5 - 10 %
Surfactant	blend	5 - 10 %
Non Hazardous Ingredients		1 - 5 %
Sodium hydroxide		1 - 3 %
Water		Balance

BYRE CHEMICALS

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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 10 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>Carbon dioxide, or foam</i>
Hazards from Combustion	<i>Material won't burn but may emit carbon dioxide including carbon monoxide gas. Contact with some metals including aluminium and zinc will liberate flammable hydrogen gas</i>
Precaution for Firefighter	<i>Wear chemical suit. Prevent run off from entering drains and waterways.</i>
HAZCHEM CODE	<i>Not allocated</i>

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE

Spills are slippery.

Evacuate all unauthorised personnel. Do not breathe fumes or handle damaged containers

For small spills hose down area. For large 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

Wear appropriate protective clothing

Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. 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

Hazardous liquid . 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. Prevent contact with aluminium, tin, zinc or galvanised iron .Store in original containers

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<i>Exposure Limits</i>	<i>Non assigned</i>
<i>Engineering Controls</i>	<i>This substance is hazardous</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 colourless foaming liquid</i>
<i>Odour</i>	<i>Slight solvent</i>
<i>pH</i>	<i>12.8 (1% solution)</i>
<i>Boiling Point</i>	<i>Above 100C</i>
<i>Vapour Pressure</i>	<i>Not Applicable</i>
<i>Flash Point</i>	<i>None</i>
<i>Specific Gravity</i>	<i>1.10</i>
<i>Solubility in Water</i>	<i>Miscible in all proportions.</i>

10. STABILITY AND REACTIVITY

<i>Chemical Stability</i>	<i>Stable under normal conditions of storage and handling</i>
<i>Conditions to avoid</i>	<i>Avoid contact with foodstuffs</i>
<i>Incompatible materials</i>	<i>Alkalis, strong oxidising agents.</i>
<i>Hazardous decomposition</i>	<i>Thermal decomposition may result in release of carbon dioxide and carbon monoxide</i>
<i>Hazardous polymerization</i>	<i>Will not occur</i>

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	<i>Oral LD50 (Rat) 140-340 mgm/kg</i>
<i>Ingestion</i>	<i>Harmful if swallowed. May cause burns to mouth and throat, nausea, vomiting, abdominal pain and diarrhoea. Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring</i>
<i>Eyes</i>	<i>Corrosive. Causes burns which can result in permanent injury.</i>
<i>Skin</i>	<i>Causes severe irritation and if untreated burns</i>
<i>Carcinogenic</i>	<i>No evidence of carcinogenic properties</i>
<i>Chronic Effects</i>	<i>Repeated or prolonged skin contact may cause chronic dermatitis.</i>

12. ECOLOGICAL INFORMATION

<i>Ecotoxicity</i>	<i>No data available</i>
<i>Persistence/Degradability</i>	<i>Low</i>
<i>Mobility</i>	<i>Soluble in water</i>
<i>Bioaccumulative Potential</i>	<i>No data available</i>
<i>Environmental</i>	<i>Do not discharge into drains, sewers, waterways</i>

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13. DISPOSAL CONSIDERATIONS

<i>Spills & Disposal</i>	<i>Disposal of small spillages only. For large spillages liquids should be contained using sand or earth and both liquids and solids 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>Transport Information</i>	<i>This material is classified as hazardous</i>
<i>Proper Shipping Name</i>	<i>Non allocated</i>
<i>UN.NO.</i>	<i>Non allocated</i>
<i>Packaging Group</i>	<i>Non allocated</i>
<i>Hazchem Code</i>	<i>Non allocated</i>
<i>DG Class</i>	<i>Non allocated</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>Irritant to skin</i>
<i>Risk Statement</i>	<i>Causes severe burns.</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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