

SAFETY DATA SHEET

DURATEC : ALKALINE CLEANER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name DURATEC
Product Code 107
Product Use Alkaline hard surface and food processing 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 H302 Harmful if swallowed Category 4
 H315 Causes skin irritation Category 2
 H318 Causes serious eye irritation Category 2A
Signal Word WARNING
Hazard Statement Harmful if swallowed
Precautionary Statement
 Avoid contact with skin and eyes
 Wear eye protection and rubber gloves
 Avoid inhaling dust
 If swallowed DO NOT induce vomiting. Give water or milk. Seek 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.
 Keep containers tightly closed and store in a lock-up facility.

Pictograms



3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Trisodium phosphate	10101-89-01	10 - 20 %
Disodium metasilicate	6834-9-0	10 - 30 %
Surfactant	blend	5 - 10 %
Sodium Tripolyphosphate	7758-29-4	10 - 20 %
Sodium carbonate	497-19-8	Balance

BYRE CHEMICALS

DURATEC : ALKALINE CLEANER

4. FIRST-AID MEASURES

INHALATION	<i>Avoid generating dust. 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 may 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 dust 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

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 classified as 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>White free flowing powder</i>
<i>Odour</i>	<i>None</i>
<i>pH</i>	<i>11.5 (1% solution)</i>
<i>Boiling Point</i>	<i>Not applicable</i>
<i>Vapour Pressure</i>	<i>Not Applicable</i>
<i>Flash Point</i>	<i>None</i>
<i>Other Information</i>	<i>Reacts with acids to form carbon dioxide gas. Unsealed containers absorb moisture from the atmosphere.</i>
<i>Solubility in Water</i>	<i>Soluble at use concentrations..</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>Acids, 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>LD50 Alkaline Salts (Rat) 1100 - 7400 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 irritation to eyes.</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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