Material Safety Data Sheet

Infosafe No. 1JA0R Issue Date: April 1997
Product Name: FIREDOG

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS
Company Name JASOL AUSTRALIA (ACN 008 429 632 )
Address 131 Garling Street O’CONNOR WA 6163
Emergency Tel. 1 800 629 953
Tel/Fax Ph: (08) 9337 4844 Fax: (08) 9314 1099

IDENTIFICATION
Product Name FIREDOG
Proper Shipping CAUSTIC ALKALI LIQUID, N.O.S.
Name
UN Number 1719
DG Class 8
Packing Group II
Hazchem Code 2R
Poisons Schedule S6
Product Use Oven and Hot Plate Cleaner. Use neat as directed on the product label.

Physical Data
Appearance Tan coloured mobile liquid
Boiling Point approx. 100C
Specific Gravity 1.25
Flash Point None
Solubility in Water Miscible with water in all proportions.

Other Properties
pH Value highly alkaline
Form Liquid

Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60-100%</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>30-60%</td>
</tr>
<tr>
<td>Non hazardous surfactants</td>
<td>Mixture</td>
<td>0-10%</td>
</tr>
</tbody>
</table>

Ingredients determined not to be hazardous

HEALTH HAZARD INFORMATION

Health Effects
Acute - Swallowed Harmful by ingestion. Will cause irritation and burns to throat and mouth with severe abdominal pain.
Acute - Eye Corrosive to eyes; contact can cause conjunctivitis, corneal burns and ulceration, which can result in permanent injury and possible loss of sight.
Acute - Skin Corrosive to skin - may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis.
Acute - Inhaled Inhalation of mists of the solution will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum,
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ISSUED by JASOL

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pulmonary oedema, pneumonitis and emphysema.

Chronic
Irritant dermatitis may result from frequent skin contact with the material.
Low systemic toxicity.

Other Information
LD50  Mixed surfactants: 1800-3400mg/kg oral, rat.
Potassium Hydroxide: 365mg/kg oral, rabbit

First Aid
Swallowed
Do not induce vomiting. Give 1-3 cups of milk or water to drink. Seek immediate medical attention.

Eye
Hold eyes open and flood with running water for at least 15 minutes, bathe eyes with soothing eyedrops or sterile saline, seek medical attention.

Skin
Remove all contaminated clothing and wash affected area with plenty of water.

Inhaled
Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.

First Aid Facilities
Eye wash station and normal washroom facilities.

Advice to Doctor
Advice to Doctor
Treat symptomatically and as for strongly alkaline corrosive material.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits

<table>
<thead>
<tr>
<th>Name</th>
<th>TWA ppm</th>
<th>TWA mg/m3</th>
<th>STEL ppm</th>
<th>STEL mg/m3</th>
<th>Footnote</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Eng. Controls
In very confined spaces have sufficient ventilation. Do not enter confined spaces where vapours may have accumulated. Keep containers closed when not in use.

Personal Protection
Protective Equip.
Wear rubber or plastic gloves, waterproof footwear and eye protection. If risk of splashes into eyes, wear safety glasses with side shields. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

Flammability
Fire Hazards Not flammable.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions
Store in cool place in original container. Store away from oxidisers, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.

Proper Shipping
CAUSTIC ALKALI LIQUID, N.O.S.

Name
EPG Number 8A1
IERG Number 37

Spills and Disposal
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Spills & Disposal
Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance. Spillages will be very slippery. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. If local regulations permit, wash down area with excess water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.

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

Fire/Explosion Hazard
Not a fire hazard. Not an explosion hazard.

Hazardous
Water vapour, carbon dioxide, oxides of nitrogen. Incomplete combustion may generate carbon monoxide.

Combustion Products

Fire Fighting
In case of small fire/explosion use water. In case of major emergency use

Procedures
PPE: breathing apparatus and protective gloves.

Extinguishing Media
Use extinguishing media appropriate to surrounding fire.

Hazchem Code
2R

OTHER INFORMATION

Risk Statement
R35 Causes severe burns. R41 Risk of serious damage to eyes.

Safety Statement
S2 Keep out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. S37/39 Wear suitable gloves and eye/face protection.

Hazard Category
Very Corrosive

CONTACT POINT
Preparer Signature
Technical manager
Tel. (08) 9337 4844

Contact
The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company’s control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

Contact Technical Manager in your state for more information.

24-Hour Emergency Telephone: 1800 629 953

W.A. 131 Garling Street, O’Connor WA 6163, Ph. (08) 9337 4844, Fx (08) 9314 1099

Vic. 41-45 Tarnard Drv, Braeside Vic 3195, Ph. (03) 9580 5722, Fx (03) 9580 9902

S.A. 483-485 South Rd, Regency Park SA 5010, Ph (08) 346 4322, Fx (08) 346 4313

Qld. 10 Pease Crt, Bethania Qld 4205, Ph (07) 3805 1666, Fx (07) 3805 2400

NSW. 9 Davis Road, Wetherill Park NSW 2164, Ph. (02) 9725 5511, Fx (02) 9725 5564

...End of Report...

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