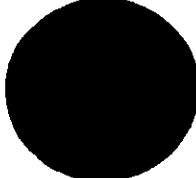


**BURNSHIELD**<sup>®</sup>

**(PTY) LTD**  
Reg No: 91-29023-23



**MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS**



MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA  
email: max@burnshield.com

P.O. BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT AND COMPANY**

**PRODUCT**

TRADE NAME	<b>Burnshield</b>
DOSAGE FORM	<b>Hydrogel 125ml and 50ml, Burnblotts 3,5</b>
APPLICATION	<b>Emergency treatment of all types of wounds</b>
DESCRIPTION	<b>Burnshield gel packed into High Density Polyethylene bottles of multilayered aluminium pouches.</b>

**2. TOXIC INFORMATION**

RESPONSIBLE	<b>M. Di Domenico</b>
EMERGENCY PHONE	<b>+27 82 881 2074</b>

**3. HAZARDS IDENTIFICATION**

No hazards are identified for use, storage or transportation of Hydrogel And Burnblotts.

**4. FIRST AID MEASURES**

GENERAL	<b>None</b>
INHALATION	<b>None - move away from source</b>
SKIN CONTACT	<b>If slight irritation occurs, rinse with water and stop use</b>
INGESTION	<b>None.</b>
INFORMATION TO	<b>The LD50 has been established to be in excess of 10g/kg</b>
HEALTH PERSONEL	<b>body weight, thus posing a very low potential risk</b>
MORE INFORMATION	<b>Burnshield Gel is composed mainly of</b>

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water and is a very low health risk. A slight skin irritation (skin reddening) may be observed if patient is allergic to the gel.

## 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHER	All types suitable
UNSUITABLE EXTINGUISH MEDIA	None
FIRE AND EXPLOSION HAZARDS	None
PERSONAL PROTECTION	None
WHEN FIRE FIGHTING	
SPECIAL FIRE FIGHTING	None
PROCEDURES	

## 6. ACCIDENTAL SPILLAGE MEASURES

PERSONAL PRECAUTIONS	None
ENVIRONMENTAL PRECAUTIONS	None
CLEANING MEASURES	Rinse with water
GENERAL	Burnshields gel is water soluble and is easily rinsed.

## 7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS	None
HANDLING	No special precautions
STORAGE	Protect from extreme temperatures
OTHER INFORMATION	The Hydrogel and Burnblotts are supplied in a sterile state. Special precautions should be observed to ensure that the packaging is not damaged during storage and handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL	None
RESPIRATORY PROTECTION	None
EYE PROTECTION	None
HAND PROTECTION	None
SKIN PROTECTION	None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Hydrogel
COLOUR OF GEL	White to colourless

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ODOUR OF GEL  
DENSITY  
VISCOSITY  
(Brookfield - Spindle 6, 20rpm)  
BOILING POINT  
PH  
AUTO IGNITION TEMP  
SOLUBILITY IN WATER

Of Tea Tree Oil  
approx 1.000 at 20°C  
minimum 5000 cPs

approx 105°C  
5.5 - 7.5  
Will not auto-ignite  
100% soluble in water

10. STABILITY AND REACTIVITY

STABILITY

Burnshield Gel is very stable through a wide range of temperatures and humidity

REACTIVITY

Will not react with other substances. Will dissolve other water soluble chemicals when in contact.  
None

HAZARDOUS DECOMPOSITION PRODUCTS  
OTHER INFORMATION

Burnshield Gel is stable for minimum 5 years. No harmful degradation products have been established. Water soluble substances may dissolve when in contact with Burnshield Gel. Burnshield Gel is comprised mainly of water and will thus conduct electricity.

11. TOXICOLOGICAL INFORMATION

GENERAL

Burnshield Gel has been established as being non-toxic

INHALATION  
SKIN CONTACT  
EYE CONTACT  
INGESTION

Non-toxic  
Non-toxic  
Non-toxic  
Low risk - LD50 more than 10g/kg body weight

CHRONIC EFFECTS  
SENSITISATION

None  
Hypersensitive skins may develop a slight skin reddening on contact.

MUTOGENICITY  
CANCER  
REPRODUCTION  
OTHER TOXICOLOGICAL

None  
None  
No effect  
No other toxicological effects known

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ORAL TOXICITY	<b>Low risk - LD50 more than 10g/kg body weight</b>
DERMAL TOXICITY	<b>None</b>
INHALATION TOXICITY	<b>None</b>

**12. ECOLOGICAL INFORMATION**

MOBILITY	<b>Not applicable</b>
BIODEGRADABILITY	<b>Product is totally biodegradable or recyclable</b>
ACCUMULATION	<b>No effects</b>
ECOTOXICITY	<b>None</b>
OTHER EFFECTS	<b>None</b>

**13. DISPOSAL**

DECONTAMINATION/DISPOSAL	<b>No special precautions, can be flushed down the drain.</b>
DISPOSAL GROUP	<b>Not applicable</b>
OTHER EFFECTS	<b>None</b>

**14. TRANSPORT INFORMATION**

ROAD	<b>No special precautions</b>
RAILWAY	<b>No special precautions</b>
SEA	<b>No special precautions</b>
AIRPLANE	<b>No special precautions</b>

**15. REGULATORY INFORMATION**

**Burnshield Hydrogel and Burnblotts are products used in the emergency treatment of all types . It is classified as a Medical Device.**

**16. OTHER INFORMATION**

For further information contact:	<b>M. Di Domenico (+27) 82 881 2074</b>
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**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT AND COMPANY**

**PRODUCT**

TRADE NAME	Burnshield
DOSAGE FORM	Dressings of various sizes
APPLICATION	Emergency treatment of all types of wounds
DESCRIPTION	Polyurethane Dressing wetted with Burnshield Gel contained in a multilayered aluminium pouch

**2. TOXIC INFORMATION**

RESPONSIBLE	M. Di Domenico
EMERGENCY PHONE	+27 82 881 2074

**3. HAZARDS IDENTIFICATION**

No hazards are identified for use, storage or transportation of Burnshield Dressings

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#### 4. FIRST AID MEASURES

GENERAL	None
INHALATION	None - move away from source
SKIN CONTACT	If slight irritation occurs, rinse with water and stop use
INGESTION	None.
INFORMATION TO HEALTH PERSONEL	The LD50 has been established to be in excess of 10g/kg body weight, this is posing a very low potential risk
MORE INFORMATION	Burnshield Gel is composed mainly of water and is a very low health risk. A slight skin irritation (skin reddening) may be observed if patient is allergic to the gel.

#### 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHER	All types suitable
UNSUITABLE EXTINGUISH MEDIA	None
FIRE AND EXPLOSION HAZARDS	None
PERSONAL PROTECTION WHEN FIREFIGHTING	Firefighters to be aware that burning polyurethane results in toxic fumes. Gas Masks to be worn.
SPECIAL FIREFIGHTING PROCEDURES	None

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## 6. ACCIDENTAL SPILLAGE MEASURES

PERSONAL PRECAUTIONS	None
ENVIRONMENTAL PRECAUTIONS	None
CLEANING MEASURES	Rinse with water
GENERAL	Burnshield gel is water soluble and is easily rinsed. Do not burn the polyurethane foam as this will result in toxic fumes.

## 7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS	None
HANDLING	No special precautions
STORAGE	Protect from extreme temperatures
OTHER INFORMATION	The Burnshield Dressings are supplied in a sterile state. Special precautions should be observed to ensure that the packaging is not damaged during storage and handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL	None
RESPIRATORY PROTECTION	None
EYE PROTECTION	None
HAND PROTECTION	None
SKIN PROTECTION	None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Polyurethane dressing wetted with Burnshield Gel
COLOUR OF GEL	White to colourless
ODOUR OF GEL	Of Tea Tree Oil
DENSITY	approx 1.000 at 20°C
VISCOSITY (Brookfield - Spindle 6, 20rpm)	minimum 5000 cPs
BOILING POINT	approx 105°C
PH	5.5 - 7.5
AUTO IGNITION TEMP	Will not auto-ignite
SOLUBILITY IN WATER	100% soluble in water

## 10. STABILITY AND REACTIVITY

STABILITY	Burnshield Gel is very stable through a wide range of temperatures and humidity
REACTIVITY	Will not react with other substances. Will dissolve other water soluble chemicals when in contact.
HAZARDOUS DECOMPOSITION PRODUCTS	None
OTHER INFORMATION	Burnshield Gel is stable for minimum 5 years. No harmful degradation products have been established. Water soluble substances may dissolve when in contact with Burnshield Gel. Burnshield Gel is comprised mainly of water and will thus conduct electricity.

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## 11. TOXICOLOGICAL INFORMATION

GENERAL	Burnshield Gel has been established as being non-toxic
INHALATION	Non-toxic
SKIN CONTACT	Non-toxic
EYE CONTACT	Non-toxic
INGESTION	Low risk - LD50 more than 10g/kg body weight
CHRONIC EFFECTS	None
SENSITISATION	Hypersensitive skins may develop a slight skin reddening on contact.
MUTOGENICITY	None
CANCER	None
REPRODUCTION	No effect
OTHER TOXICOLOGICAL INFORMATION	No other toxicological effects known
ORAL TOXICITY	Low risk - LD50 more than 10g/kg body weight
DERMAL TOXICITY	None
INHALATION TOXICITY	None

## 12. ECOLOGICAL INFORMATION

MOBILITY	Not applicable
BIODEGRADABILITY	Product is totally biodegradable or recyclable
ACCUMULATION	No effects
ECOTOXICITY	None
OTHER EFFECTS	None

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### 13. DISPOSAL

DECONTAMINATION/DISPOSAL	No special precautions, can be flushed down the drain
DISPOSAL GROUP	Not applicable
OTHER EFFECTS	None

### 14. TRANSPORT INFORMATION

ROAD	No special precautions
RAILWAY	No special precautions
SEA	No special precautions
AIRPLANE	No special precautions

### 15. REGULATORY INFORMATION

**Burnshield Dressings are products used in the emergency treatment of all types of burns and scalds. It is classified as a Medical Device.**

### 16. OTHER INFORMATION

For further information contact:

**M. Di Domenico**  
 (+27) 82 881 2074