

**MATERIAL SAFETY DATA SHEET**

<b>BURNSHIELD HYDROGEL</b>	PAGES	1 of 4
	MSDS NO:	05b
	REVISION NO:	08
	ORIGINAL DATE:	October 1999
	REVISION DATE:	21 January 2015

**SECTION 1- PRODUCT AND COMPANY**

TRADE NAME:	BURNSHIELD
DOSAGE FORM:	HYDROGEL: 50ml BOTTLE 75ml SPRAY BOTTLE 125ml SPRAY BOTTLE 10g TUBE 25g TUBE
APPLICATION:	EMERGENCY TREATMENT OF ALL TYPES OF SMALL AREA BURNWOUNDS
DESCRIPTION:	A HDPE BOTTLE OR TUBE CONTAINING BURNSHIELD GEL WITH EITHER A TWIST OR SPRAY CAP

**SECTION 2 – HAZARDS IDENTIFICATION**

NO HAZARDS ARE IDENTIFIED FOR USE, STORAGE OR TRANSPORTATION OF BURNSHIELD DRESSINGS.

**SECTION 3 – 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, THUS POSING A VERY LOW POTENTIAL RISK
MORE INFORMATION	BURNSHIELD GEL IS COMPOSED MAINLY OF WATER AND IS VERY LOW HEALTH RISK. A SLIGHT SKIN IRRITATION (SKIN REDDENING TO BE OBSERVED IF PATIENT IS ALLERGIC TO THE GEL).

**SECTION 4 – FIRE FIGHTING MEASURES**

SUITABLE EXTINGUISHER	ALL TYPES SUITABLE
UNSUITABLE EXTINGUISH MEDIA	NONE
FIRE AND EXPLOSION HAZARDS	NONE
PERSONAL PROTECTION WHEN FIREFIGHTING	NONE
SPECIAL FIREFIGHTING PROCEDURES	NONE



MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS

MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA  
email: max@burnshield.comPO.BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

<b>BURNSHIELD HYDROGEL</b>	PAGES	2 of 4
	MSDS NO:	05b
	REVISION NO:	08
	ORIGINAL DATE:	October 1999
	REVISION DATE:	21 January 2015

**SECTION 5 – ACCIDENTAL SPILLAGE MEASURES**

PERSONAL PRECAUTIONS	NONE
ENVIRONMENTAL PRECAUTIONS	NONE
CLEANING MEASURES	RINSE WITH WATER
GENERAL	BURNSHIELD GEL IS WATER SOLUBLE AND IS EASILY RINSED.

**SECTION 6 - HANDLING AND STORAGE**

SPECIAL PRECAUTIONS	NONE
HANDLING	NO SPECIAL PRECAUTIONS
STORAGE	PROTECT FROM EXTREME TEMPERATURES.
OTHER INFORMATION	THE BURNSHIELD BOTTLES AND TUBES ARE SUPPLIED IN A STERILE STATE. SPECIAL PRECAUTIONS SHOULD BE OBSERVED TO ENSURE THAT THE PACKAGING IS NOT DAMAGED DURING STORAGE AND HANDLING.

**SECTION 7 – EXPOSURE CONTROL/PERSONAL PROTECTION**

EXPOSURE	NONE
RESPIRATORY PROTECTION	NONE
EYE PROTECTION	NONE
HAND PROTECTION	NONE
SKIN PROTECTION	NONE

**SECTION 8 – PHYSICAL AND CHEMICAL PROPERTIES**

FORM	HDPE BOTTLES AND TUBES CONTAINING BURNSHIELD GEL
COLOUR OF GEL	WHITE TO COLOURLESS
ODOUR OF GEL	OF TEA TREE OIL
DENSITY	APPROX 1.000 AT 20°C
VISCOSITY	MINIMUM 5000cPs (BROOKFIELD – SPINDLE 6;20rpm)
BOILING POINT	APPROX 106°C
PH	5.5 – 7.5
AUTO IGNITION TEMP	WILL NOT AUTO-IGNITE
SOLUBILITY IN WATER	100% SOLUBLE IN WATER

**MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS**MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICAPO.BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

email: max@burnshield.com

<b><i>BURNSHIELD HYDROGEL</i></b>	<b>PAGES</b>	3 of 4
	<b>MSDS NO:</b>	05b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

**SECTION 9 – 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.

**SECTION 10 – 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 EFFECTS
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

**SECTION 11 – ECOLOGICAL INFORMATION**

MOBILITY	NOT APPLICABLE
BIODEGRADABILITY	PRODUCT IS TOTALLY BIODEGRADABLE OR RECYCLABLE
ACCUMUALTION	NO EFFECTS
ECOTOXICITY	NONE
OTHER EFFECTS	NONE



MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS

MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA  
email: max@burnshield.comPO.BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

<b>BURNSHIELD HYDROGEL</b>	PAGES	4 of 4
	MSDS NO:	05b
	REVISION NO:	08
	ORIGINAL DATE:	October 1999
	REVISION DATE:	21 January 2015

**SECTION 12- DISPOSAL**

DECONTAMINATION/DISPOSAL	NO SPECIAL PRECAUTIONS, CAN BE FLUSHED DOWN THE DRAIN
DISPOSAL GROUP	NOT APPLICABLE
OTHER EFFECTS	NONE

**SECTION 13 – TRANSPORT INFORMATION**

ROAD	NO SPECIAL PRECAUTIONS
RAILWAY	NO SPECIAL PRECAUTIONS
SEA	NO SPECIAL PRECAUTIONS
AIRPLANE	NO SPECIAL PRECAUTIONS

**SECTION 14 – REGULATORY INFORMATION**

BURNSHIELD BOTTLES AND TUBES ARE PRODUCTS USED IN THE EMERGENCY TREATMENT OF ALL MINOR BURNS AND SCALDS. IT IS CLASSIFIED AS A MEDICAL DEVICE.

**SECTION 15 – OTHER INFORMATION**

FOR FURTHER INFORMATION CONTACT:	M. DI DOMENICO
----------------------------------	----------------



# SAFETY DATA SHEET

<b>Product Name:</b>	<b>Alcohol Free Hand &amp; Surface Wipes</b>	<b>SDS Reference</b>	BHS002c
<b>Version No.</b> 1	<b>Initial issue date</b> September 24 <sup>th</sup> , 2013	<b>Revision date</b>	

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product Identifier</b>	<b>Bioguard Hand &amp; Surface Wipes</b>	
<b>1.2 Relevant Use(s)/misuse(s)</b>	Hand & Surface cleaner and disinfectant. <b>Suitable for food use tested to EN1276 EN1275. Food safe &amp; non-tainting. Meets EHO &amp; FSA standards.</b>	
<b>1.3 SDS Supplier</b>	Bioguard Hygiene Solutions Ltd.	
<b>1.3.1 Manufacturer</b>	Bioguard Hygiene Solutions Ltd. 64a St James Mill Rd St James Northampton NN5 5JP	<b>Telephone:</b> +44(0)1604 592048 <b>Fax No:</b> +44(0)1604 583854 <b>Competent Person e-mail:</b> trevor@rising-hsande.co.uk
<b>1.4 Emergency Telephone</b>	+44(0)1604 592048 (office hours)	

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE MIXTURE

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Not classified

#### 2.1.2 Classification according to EC Directive 67/548/EEC (CHIP 4)

Not classified

#### 2.1.3 Additional information

See section 16 for full text of H statements and R phrases.

### 2.2 LABELLING ELEMENTS

#### 2.2.1 Labelling in accordance with EC Directive 67/548/EEC (CHIP 4)

<b>Physicochemical:</b>	ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO HAVE NO ADVERSE PHYSICOCHEMICAL PROPERTIES IF HANDLED IN THE CORRECT MANNER.
<b>Health:</b>	ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO HAVE NO ADVERSE AFFECTS ON HEALTH IF HANDLED IN THE CORRECT MANNER.
<b>Environmental:</b>	ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO HAVE NO ADVERSE ON THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER. .

**SAFETY PHRASES** NONE .

#### 2.2.2 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)



<b>Product Name:</b>	Alcohol Free Hand & Surface Wipes	<b>SDS Ref.</b>	BHS002c
----------------------	-----------------------------------	-----------------	---------

## 2. HAZARDS IDENTIFICATION

<b>Pictogram(s):</b>	NONE	<b>Signal word</b>
		NONE
<b>Hazard statement(s)</b>	NONE	
<b>Precautionary statement(s)</b>	NONE	
<b>2.3 OTHER HAZARDS</b>	NONE	

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**                      AQUEOUS MIXTURE OF ORGANIC SUBSTANCES

### Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
CITRIC ACID MONOHYDRATE (1,2,3-PROPANETRICARBOXYLIC ACID)	5949-29-1	NOT ASSIGNED	<b>CHIP:</b> Xi: R36; <b>CLP:</b> Eye Irrit.2 H319	< 1.0%

## 4. FIRST AID MEASURES

### 4.1 Description of measures

<b>Inhalation</b>	Not a normal route of exposure.
<b>Skin contact</b>	Clean areas affected with soap and plenty of water. If necessary, seek medical advice
<b>Eye contact</b>	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. If conscious, drink plenty of water. If necessary, seek medical advice.
<b>4.2 Most important effects/symptoms</b>	None known.
<b>4.3 Immediate/special treatment</b>	Treatment as described above.

## 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder) Do <b>not</b> use strong water jets
<b>5.2 Special hazards</b>	None known.
<b>5.3 Advice for fire fighters</b>	Wear self-contained breathing

## 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions</b>	Use suitable protective equipment (see section 8)
<b>6.2 Environmental precautions</b>	Do not flush wipe material down the drain and into waste water. Dispose of wipe material through normal waste systems. Do not allow to get into waste water or waterways in large quantities; if this occurs, inform the relevant water authority at once.
<b>6.3 Methods and materials for cleaning up</b>	Take up excess liquid with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed.

<b>Product Name:</b>	<b>Alcohol Free Hand &amp; Surface Wipes</b>	<b>SDS Ref.</b>	BHS002c
----------------------	--	-----------------	---------

## 6. ACCIDENTAL RELEASE MEASURES

**6.4 Reference to other sections** See section 8 for personal protective equipment.

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling** Handle in accordance with good hygiene and safety practice.

**7.2 Conditions for safe storage** Keep containers closed, cool, dry and away from heat

**7.3. Specific end use(s)** Surface cleaner and disinfectant

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Controls parameters** No OEL data are available. Comply with good practice.

**8.2 Exposure controls**

**Engineering controls** Provide adequate ventilation (e.g. local exhaust ventilation).

**Personal protection** Observe normal standards for handling chemicals.  
Wash hands before breaks and after work.  
Wear personal protective equipment appropriate to the task (see below)

**Eye protection** Safety goggles if risk of eye contamination.

**Skin protection** Only for prolonged contact and If necessary, impervious gloves (but consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

**Respiratory protection** Respirator – not normally required.

**Other protection** Protective overalls

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

**Physical form** Impregnated wipe

**Colour** White cloth with a Liquid is a clear to straw coloured

**Odour** Characteristic

**Odour threshold** Not determined

**pH** 6.5-7.0

**Boiling pt / range** Approx. 100 °C

**Melting pt / range** Approx. 0 °C

**Flash point** Not applicable °C

**Flammability** Not applicable

**Thermal decomposition** Not applicable

**Evaporation rate** Not applicable

**Explosion limits** Not determined

<b>Product Name:</b>	Alcohol Free Hand & Surface Wipes	<b>SDS Ref.</b>	BHS002c
----------------------	-----------------------------------	-----------------	---------

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Auto-ignition temperature	Not applicable
Decomposition temp.	Not applicable
Relative density	1.01-1.025
Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	Miscible
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log <sub>Oct/water</sub>	Not determined
9.2 Other information	None known.

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	Hazardous polymerisation will not occur
10.2 Chemical stability	Stable under normal conditions of handling.
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	None known.
10.5 Incompatible material	None known.
10.6 Hazardous decomposition products	Oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

Acute toxicity	LD <sub>50</sub> rat (oral)	mg/kg	No data available
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		

## 12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC <sub>50</sub>	Aquatic organisms	mg/l	No data available
12.2 Degradability	Not determined.			
12.3 Bioaccumulative potential	Not determined			
12.4 Mobility in soil	Not determined			
12.5 PBT/vPvB assessment	Not determined			
12.6 Other adverse effects	None known.			

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment measures



<b>Product Name:</b>	Alcohol Free Hand & Surface Wipes	<b>SDS Ref.</b>	BHS002c
----------------------	-----------------------------------	-----------------	---------

### 13. DISPOSAL CONSIDERATIONS

<b>Advice on disposal</b>	If possible, recycle to supplier or approved recycling company. If not (e.g. designated as waste), dispose of in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product: if possible wash out thoroughly and recycle.

### 14. TRANSPORT INFORMATION

<b>14.1 United Nations number (ADR, IMDG, IATA)</b>	Not classified
<b>14.2 Proper shipping name (ADR, IMDG, IATA)</b>	Not classified
<b>14.3 Transport class(s) (ADR, IMDG, IATA)</b>	Not classified
<b>14.4 Packing group (ADR, IMDG, IATA)</b>	Not classified
<b>14.5 Environmental hazards (ADR, IMDG, IATA)</b>	The product should NOT be marked as a marine pollutant.
<b>14.6 Special procedures (ADR, IMDG, IATA)</b>	Not applicable
<b>14.7 Transport in bulk (ADR, IMDG, IATA)</b>	Not applicable

### 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations</b>	The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 4) and EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
<b>15.2 Chemical safety assessment</b>	Not applicable

### 16. OTHER INFORMATION

#### Further information

#### Risk phrases/ hazard statements referred to in sections 2/3

- R36: Irritating to eyes.  
H319: Causes serious eye irritation.

**Sources of data** Other suppliers' safety data sheets

**Date of issue** 24-09-2013

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

<b>Product Name:</b>	Alcohol Free Hand & Surface Wipes	<b>SDS Ref.</b>	BHS002c
----------------------	-----------------------------------	-----------------	---------

Safety data sheet prepared by Rising HS&E Services.

## MATERIAL SAFETY DATA SHEET

<b>BURNSHIELD DRESSINGS</b>	PAGES	1 of 4
	MSDS NO:	01b
	REVISION NO:	08
	ORIGINAL DATE:	October 1999
	REVISION DATE:	21 January 2015

### SECTION 1 – PRODUCT AND COMPANY

TRADE NAME:	BURNSHIELD
DOSAGE FORM:	DRESSINGS OF VARIOUS SIZES: 100mm x 100mm 200mm x 200mm 600mm x 400mm 600mm x 450mm FACE MASK 200mm x 450mm FACE MASK 25mm x 0,5m (digits) 50mm x 1,0m (limbs)
APPLICATION:	EMERGENCY TREATMENT OF ALL TYPES OF BURNWOUNDS
DESCRIPTION:	POLYURETHANE DRESSING WETTED WITH BURNSHIELD GEL CONTAINED IN A MULTILAYERED ALUMINIUM POUCH

### SECTION 2 – HAZARDS IDENTIFICATION

NO HAZARDS ARE IDENTIFIED FOR USE, STORAGE OR TRANSPORTATION OF BURNSHIELD DRESSINGS.

### SECTION 3 – 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, THUS POSING A VERY LOW POTENTIAL RISK
MORE INFORMATION	BURNSHIELD GEL IS COMPOSED MAINLY OF WATER AND IS VERY LOW HEALTH RISK. A SLIGHT SKIN IRRITATION(SKIN REDDENING TO BE OBSERVED IF PATIENT IS ALLERGIC TO THE GEL).

### SECTION 4 – 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 GAS TOXIC FUMES. MASKS TO BE WORN.
SPECIAL FIREFIGHTING PROCEDURES	NONE

**MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS**MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICAP.O. BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

email: max@burnshield.com

<b>BURNSHIELD DRESSINGS</b>	<b>PAGES</b>	2 of 4
	<b>MSDS NO:</b>	01b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

**SECTION 5- 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.

**SECTION 6 - 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.

**SECTION 7 - EXPOSURE CONTROL/PERSONAL PROTECTION**

EXPOSURE	NONE
RESPIRATORY PROTECTION	NONE
EYE PROTECTION	NONE
HAND PROTECTION	NONE
SKIN PROTECTION	NONE

**SECTION 8 - 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	MINIMUM 5000cPs (BROOKFIELD - SPINDLE 6;20rpm)
BOILING POINT	APPROX 106°C
PH	5.5 - 7.5
AUTO IGNITION TEMP	WILL NOT AUTO-IGNITE
SOLUBILITY IN WATER	100% SOLUBLE IN WATER

**MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS**MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICAPO.BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

email: max@burnshield.com

<b>BURNSHIELD DRESSINGS</b>	<b>PAGES</b>	3 of 4
	<b>MSDS NO:</b>	01b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

**SECTION 9 – 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.

**SECTION 10 – 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 EFFECTS
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

**SECTION 11 – ECOLOGICAL INFORMATION**

MOBILITY	NOT APPLICABLE
BIODEGRADABILITY	PRODUCT IS TOTALLY BIODEGRADABLE OR RECYCLABLE
ACCUMUALTION	NO EFFECTS
ECOTOXICITY	NONE
OTHER EFFECTS	NONE



MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS

MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA

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

email: max@burnshield.com

<b>BURNSHIELD DRESSINGS</b>	<b>PAGES</b>	4 of 4
	<b>MSDS NO:</b>	01b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

## SECTION 12 - DISPOSAL

DECONTAMINATION/DISPOSAL	NO SPECIAL PRECAUTIONS, CAN BE FLUSHED DOWN THE DRAIN
DISPOSAL GROUP	NOT APPLICABLE
OTHER EFFECTS	NONE

## SECTION 13 – TRANSPORT INFORMATION

ROAD	NO SPECIAL PRECAUTIONS
RAILWAY	NO SPECIAL PRECAUTIONS
SEA	NO SPECIAL PRECAUTIONS
AIRPLANE	NO SPECIAL PRECAUTIONS

## SECTION 14 – REGULATORY INFORMATION

**BURNSHIELD DRESSINGS ARE PRODUCTS USED IN THE EMERGENCY TREATMENT OF ALL TYPE OF BURNS AND SCALDS. IT IS CLASSIFIED AS A MEDICAL DEVICE.**

## SECTION 15 – OTHER INFORMATION

<b>FOR FURTHER INFORMATION CONTACT:</b>	<b>M. DI DOMENICO</b>
---	-----------------------

**MATERIAL SAFETY DATA SHEET**

<b><i>BURNSHIELD DRESSINGS</i></b>	PAGES	1 of 4
	MSDS NO:	01b
	REVISION NO:	08
	ORIGINAL DATE:	October 1999
	REVISION DATE:	21 January 2015

**SECTION 1 – PRODUCT AND COMPANY**

TRADE NAME:	BURNSHIELD
DOSAGE FORM:	DRESSINGS OF VARIOUS SIZES: 100mm x 100mm 200mm x 200mm 600mm x 400mm 600mm x 450mm FACE MASK 200mm x 450mm FACE MASK 25mm x 0,5m (digits) 50mm x 1,0m (limbs)
APPLICATION:	EMERGENCY TREATMENT OF ALL TYPES OF BURNWOUNDS
DESCRIPTION:	POLYURETHANE DRESSING WETTED WITH BURNSHIELD GEL CONTAINED IN A MULTILAYERED ALUMINIUM POUCH

**SECTION 2 – HAZARDS IDENTIFICATION**

NO HAZARDS ARE IDENTIFIED FOR USE, STORAGE OR TRANSPORTATION OF BURNSHIELD DRESSINGS.

**SECTION 3 – 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, THUS POSING A VERY LOW POTENTIAL RISK
MORE INFORMATION	BURNSHIELD GEL IS COMPOSED MAINLY OF WATER AND IS VERY LOW HEALTH RISK. A SLIGHT SKIN IRRITATION(SKIN REDDENING TO BE OBSERVED IF PATIENT IS ALLERGIC TO THE GEL).

**SECTION 4 – 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 GAS TOXIC FUMES. MASKS TO BE WORN.
SPECIAL FIREFIGHTING PROCEDURES	NONE

**MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS**MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICAP.O.BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

email: max@burnshield.com

<b>BURNSHIELD DRESSINGS</b>	<b>PAGES</b>	2 of 4
	<b>MSDS NO:</b>	01b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

**SECTION 5- 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.

**SECTION 6 - 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.

**SECTION 7 - EXPOSURE CONTROL/PERSONAL PROTECTION**

EXPOSURE	NONE
RESPIRATORY PROTECTION	NONE
EYE PROTECTION	NONE
HAND PROTECTION	NONE
SKIN PROTECTION	NONE

**SECTION 8 - 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	MINIMUM 5000cPs (BROOKFIELD - SPINDLE 6;20rpm)
BOILING POINT	APPROX 106°C
PH	5.5 - 7.5
AUTO IGNITION TEMP	WILL NOT AUTO-IGNITE
SOLUBILITY IN WATER	100% SOLUBLE IN WATER



**MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS**MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA  
email: max@burnshield.comPO.BOX 14737  
WADEVILLE 1422  
SOUTH AFRICA  
TEL: (011) 827-4140  
FAX: (011) 827-9009

<b>BURNSHIELD DRESSINGS</b>	<b>PAGES</b>	3 of 4
	<b>MSDS NO:</b>	01b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

**SECTION 9 – 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.

**SECTION 10 – 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 EFFECTS
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

**SECTION 11 – ECOLOGICAL INFORMATION**

MOBILITY	NOT APPLICABLE
BIODEGRADABILITY	PRODUCT IS TOTALLY BIODEGRADABLE OR RECYCLABLE
ACCUMUALTION	NO EFFECTS
ECOTOXICITY	NONE
OTHER EFFECTS	NONE



MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS

MEDOPARK  
BLOCK 3  
NO. 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA

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

email: max@burnshield.com

<b>BURNSHIELD DRESSINGS</b>	<b>PAGES</b>	4 of 4
	<b>MSDS NO:</b>	01b
	<b>REVISION NO:</b>	08
	<b>ORIGINAL DATE:</b>	October 1999
	<b>REVISION DATE:</b>	21 January 2015

## SECTION 12 - DISPOSAL

DECONTAMINATION/DISPOSAL	NO SPECIAL PRECAUTIONS, CAN BE FLUSHED DOWN THE DRAIN
DISPOSAL GROUP	NOT APPLICABLE
OTHER EFFECTS	NONE

## SECTION 13 – TRANSPORT INFORMATION

ROAD	NO SPECIAL PRECAUTIONS
RAILWAY	NO SPECIAL PRECAUTIONS
SEA	NO SPECIAL PRECAUTIONS
AIRPLANE	NO SPECIAL PRECAUTIONS

## SECTION 14 – REGULATORY INFORMATION

**BURNSHIELD DRESSINGS ARE PRODUCTS USED IN THE EMERGENCY TREATMENT OF ALL TYPE OF BURNS AND SCALDS. IT IS CLASSIFIED AS A MEDICAL DEVICE.**

## SECTION 15 – OTHER INFORMATION

<b>FOR FURTHER INFORMATION CONTACT:</b>	<b>M. DI DOMENICO</b>
---	-----------------------