



# EMERGENCY BURN CARE

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

MEDOPARK, BLOCK 3  
NO.1 MANCHESTER ROAD, WADEVILLE  
SOUTH AFRICA

P. O. BOX 14737  
WADEVILLE 1422  
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EMAIL: max@burnshield.com

MANUFACTURERS OF BURNSHIELD® EMERGENCY BURN CARE PRODUCTS

## SAFETY DATA SHEET

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### SECTION 1 – IDENTIFICATION

TRADE NAME:	BURNSHIELD		
PRODUCT DESCRIPTION:	BURNSHIELD STERILE HYDROGEL BURN HYDROGEL		
DOSAGE FORM:	HYDROGEL IN VARIOUS FORMATS		
SIZES	50ml BOTTLE	IDENTIFIER :	550000
	50ml SPRAY BOTTLE		550020
	75ml SPRAY BOTTLE		550082
	125ml SPRAY BOTTLE		550003
	10g TUBE		550010
	25g TUBE		550009
APPLICATION:	EMERGENCY TREATMENT OF ALL TYPES OF BURNWOUNDS AND SCALDS		
PRODUCT DESCRIPTION:	A HDPE BOTTLE/TUBE CONTAINING BURNSHIELD GEL WITH EITHER A TWIST OR SPRAY CAP		

MANUFACTURER CONTACT: BURNSHIELD (PTY) LTD  
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### SECTION 2 – HAZARD(S) IDENTIFICATION

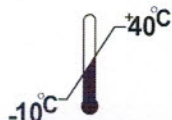
NO HEALTH OR PHYSICAL HAZARDS ARE IDENTIFIED FOR USE, STORAGE OR TRANSPORTATION OF BURNSHIELD DRESSINGS

#### WARNINGS:

- (i) DO NOT USE IF PACKAGING IS DAMAGED
- (ii) SAFE FOR USE ON CHILDREN AND FACIAL BURNS

#### PHYSICAL HAZARDS:

- (i) PROTECT FROM EXTREME TEMPERATURES (-10°C TO +40°C)



- (ii)

#### PROPERTY OF GELLING MIXTURE:

- (i) NON TOXIC



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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

PROPRIETARY: YES

NAME	IDENTIFIER NUMBER/ CAS #	WEIGHT PERCENT CONTENT
TEA-TREE OIL	7732-18-5	1%
GELLING MIXTURE	PROPRIETARY	
PURIFIED WATER (AQUA)	PROPRIETARY	ad 100%<

### SECTION 4 FIRST AID MEASURES

GENERAL	NONE
INHALATION	NONE – MOVE AWAY FROM SOURCE
SKIN CONTACT	IF SLIGHT IRRITATION OCCURS, RINSE WITH WATER AND STOP USE
EYE CONTACT	FLUSH WITH WATER FOR A MINIMUM OF 5 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
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 5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHER	WATER, FOAM AND DRY CHEMICAL
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	PRECAUTION RECOMMENDATION FOR FIREFIGHTERS

### SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	NO PROTECTIVE GEAR REQUIRED
ENVIRONMENTAL PRECAUTIONS	NONE
CLEANING MEASURES	RINSE WITH WATER
GENERAL	BURNSHIELD GEL IS WATER SOLUBLE AND IS EASILY RINSED.



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## SECTION 7 HANDLING AND STORAGE

SPECIAL PRECAUTIONS	KEEP OUT OF REACH OF CHILDREN.
HANDLING	NO SPECIAL PRECAUTIONS
STORAGE	STORE AT ROOM TEMPERATURE. PROTECT FROM EXTREME TEMPERATURES FOR PROLONGED PERIODS OF TIME.
OTHER INFORMATION	THE BURNSHIELD HYDROGEL IS SUPPLIED IN A STERILE STATE. SPECIAL PRECAUTIONS SHOULD BE OBSERVED TO ENSURE THAT THE PACKAGING IS NOT DAMAGED DURING STORAGE AND HANDLING.

## SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

THIS REFERS TO PURE 100% TEA TREE OIL. BURNSHIELD GEL CONSIST OF NO MORE THAN 1.0%

EXPOSURE	NONE; GEL CONTAINS LESS THAN 1% TEA TREE OIL
RESPIRATORY PROTECTION	NONE; GEL CONTAINS LESS THAN 1% TEA TREE OIL
EYE PROTECTION	NONE; GEL CONTAINS LESS THAN 1% TEA TREE OIL
HAND PROTECTION	NONE; GEL CONTAINS LESS THAN 1% TEA TREE OIL
SKIN PROTECTION	NONE; GEL CONTAINS LESS THAN 1% TEA TREE OIL

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

FORM	BOTTLES/OR TUBES CONTAINING BURNSHIELD GEL
COLOUR OF GEL	WHITE TO COLOURLESS
ODOUR OF GEL	OF TEA TREE OIL (MEDICAL SCENT)
DENSITY	APPROX 1.000g/cm <sup>3</sup> AT 20°C
VISCOSITY	MINIMUM 5000cPs (BROOKFIELD – SPINDLE 6:20rpm)
BOILING POINT	APPROX 106°C/228°F
PH	5.5 – 7.5
AUTO IGNITION TEMP	WILL NOT AUTO-IGNITE
SOLUBILITY IN WATER	100% SOLUBLE IN WATER

## SECTION 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	BURNSHIELD GEL CONTAINS 1,0% TEA TREE OIL. THEREFORE NON HAZARDOUS.
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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## SECTION 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 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 12 ECOLOGICAL INFORMATION

MOBILITY	NOT APPLICABLE
BIODEGRADABILITY	PRODUCT IS TOTALLY BIODEGRADABLE OR RECYCLABLE
ACCUMUALTION	NO EFFECTS
ECOTOXICITY	THE ENVIROMENTAL EFFECTS OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED
OTHER EFFECTS	NONE

## SECTION 13 DISPOSAL CONSIDERATIONS

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

## SECTION 14 TRANSPORT INFORMATION

DOT CLASSIFICATION	NOT REGULATED FOR DOMESTIC TRANSPORT
IATA CLASSIFICATION	NOT REGULATED FOR INTERNATIONAL TRANSPORT
IMDG CLASSIFICATION	NOT REGULATED FOR INTERNATIONAL WATER TRANSPORT



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<b>SECTION 15 REGULATORY INFORMATION</b>		

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

### SECTION 16 OTHER INFORMATION INCLUDING DATE OF PREPARATION OR LAST REVISION

ORIGINAL DATE:	OCTOBER 1999
REVISION DATE:	19 MARCH 2016
REVISION VERSION:	11
FURTHER INFORMATION CONTACT:	M. DI DOMENICO +27 (11) 827 4140 <a href="mailto:max@burnshield.com">max@burnshield.com</a>

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