



**SAFETY DATA SHEET**

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**SECTION 1 – IDENTIFICATION**

TRADE NAME:	BURNSHIELD	
PRODUCT DESCRIPTION	BURNSHIELD STERILE HYDROGEL BURN DRESSING	
DOSAGE FORM:	DRESSINGS OF VARIOUS SIZES:	
SIZES	IDENTIFIER	BARCODE
100MM X 100MM	901111	6007645001380
200MM X 200MM	900906	6007645001397
600MM X 400MM	901007	6007645001403
600MM X 400MM FACE MASK	901135	6007645003957
200MM X 450MM	901001	6007645001410
200MM X 450MM FACE MASK	901000	6007645001458
25MM X 0.5M (DIGITS)	901130	6007645001434
50MM X 1.0M (LIMBS)	901131	6007645001427
APPLICATION:	EMERGENCY TREATMENT OF ALL TYPES OF BURN WOUNDS AND SCALDS	
PRODUCT DESCRIPTION:	POLYURETHANE DRESSING WETTED WITH BURNSHIELD GEL CONTAINED IN A MULTILAYERED ALUMINIUM POUCH	

MANUFACTURER CONTACT: **BURNSHIELD (PTY) LTD**  
MEDOPARK  
BLOCK 3  
NO 1 MANCHESTER ROAD  
WADEVILLE  
SOUTH AFRICA

TEL: +27 11 827 4140  
MONDAY – THURSDAY: 8AM – 4PM  
FRIDAY :8AM – 1PM

EMAIL: [max@burnshield.com](mailto:max@burnshield.com)

**SECTION 2 – HAZARD IDENTIFICATION**

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

**WARNINGS:**

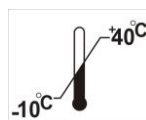
- (i) DO NOT USE IF PACKAGING IS DAMAGED



- (ii) SAFE FOR USE ON CHILDREN AND FACIAL BURNS

**PHYSICAL HAZARDS:**

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



**PROPERTY OF GELLING MIXTURE**

- (i) NON TOXIC



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**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

ALL INGREDIENTS ARE OF PHARMACUTICAL QUALITY.

**PROPRIETARY: YES**

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

**SECTION 4 FIRST AID MEASURES**

GENERAL	NONE
INHALATION	NONE
SKIN CONTACT	IF SLIGHT IRRITATION OCCURS, RINSE WITH WATER AND DISCONTINUE 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 A VERY LOW HEALTH RISK. A SLIGHT SKIN IRRITATION (SKIN REDDENING MAY BE OBSERVED IF PATIENT IS ALLERGIC TO THE BURNSHIELD 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 TOXIC GAS FUMES. MASKS TO BE WORN.
SPECIAL FIREFIGHTING PROCEDURES	NONE

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	NO PROTECTIVE GEAR REQUIRED
ENVIRONMENTAL PRECAUTIONS	DO NOT BURN THE POLYURETHANE FOAM AS THIS WILL RESULT IN TOXIC FUMES
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 DRESSING 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 CONTROLS/PERSONAL PROTECTION**

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

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

FOAM	POLYURETHANE DRESSING WETTED WITH 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.
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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**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



**BURNSHIELD®**  
FOR THE EMERGENCY CARE OF BURNS & SCALDS

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#### SECTION 15 REGULATORY INFORMATION

BURNSHIELD DRESSINGS ARE PRODUCTS USED IN THE EMERGENCY TREATMENT OF ALL TYPE OF BURNS AND SCALDS. BURNSHIELD PRODUCTS ARE CLASSIFIED AS MEDICAL DEVICES.

#### SECTION 16 OTHER INFORMATION

REFERENCE:	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS)
ORIGINAL DATE:	OCTOBER 1999
REVISION DATE:	14 JUNE 2021
REVISION VERSION:	13
FURTHER INFORMATION CONTACT:	M. DI DOMENICO +27 (11) 827 4140 <a href="mailto:max@burnshield.com">max@burnshield.com</a>

#### SUMMARY AND CONCLUSION

BURNSHIELD DRESSINGS CONTAINS NO DANGEROUS SUBSTANCES AND DO NOT POSE ANY RISKS DURING HANDLING, TRANSPORTATION AND USE. AS SUCH, BURNSHIELD DRESSINGS CAN BE REGARDED AS SAFE REQUIRING NO SPECIAL HANDLING OR PRECAUTIONS.

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