BURNSHIELD®
FOR THE EMERGENCY CARE OF BURNS & SCALDS

Burnshield (Pty) Ltd
1 Manchester Road
Medopark Block 3
Wadeville,1428
South Africa

Co. Reg No.: 1997/008394/07
Tel: +27 (0) 11 827 4140
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SAFETY DATA SHEET

SDS No: 01c	***BURNSHIELD DRESSINGS***	PAGES 1 of 5

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

SECTION 2 – HAZARD IDENTIFICATION

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

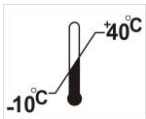
WARNINGS:

(i) DO NOT USE IF PACKAGING IS DAMAGED

(ii) SAFE FOR USE ON CHILDREN AND FACIAL BURNS

PHYSICAL HAZARDS:

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



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 PRESISTS, 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/cm³ 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

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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 max@burnshield.com

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.

Disclaimer: The information provided on this SDS is correct to the best of our knowledge. Information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such in combination with any other material or in any process, unless specified in the text