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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Email: contact@burnshield.com
Website: www.burnshield.com

SAFETY DATA SHEET

SDS No: 09c	***BURNSHIELD BURN VESTS***	PAGES 1 of 5

SECTION 1 – IDENTIFICATION

PRODUCT DESCRIPTION	BURNSHIELD VESTS	
SIZES	PRODUCT IDENTIFIER	BARCODE
SMALL (6-12 MONTHS)	881080	6007645004329
MEDIUM (24-36 MONTHS)	881085	6007645004336
LARGE (4-5 YEARS)	881090	6007645004343
RECOMMENDED USE:	EMERGENCY TREATMENT OF ALL TYPES OF BURN WOUNDS VIA COOLING AND SOOTHING THE BURN WOUND	

MANUFACTURER CONTACT:

BURNSHIELD (PTY) LTD
1 MANCHESTER ROAD
MEDOPARK BLOCK 3
WADEVILLE,
1428
SOUTH AFRICA

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

EMAIL: max@burnshield.com

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF SUBSTANCE / MIXTURE AND HAZARDOUS CLASSIFICATION:

THE SUBSTANCES USED IN MANUFACTURING THE PRODUCT DOES NOT CONTAIN ANY SUBSTANCES STATED IN THE REACH HAZARDOUS SUBSTANCES LIST

DEVICE DOES NOT FORM AIR CONTAMINANT, DUST, AND EXLPOSIVE HAZARDS THAT CAN CAUSE SUFFOCATION.

PRECAUTIONARY STATEMENT

IF SWALLOWED: RINSE MOUTH

IF APPLIED IN THE EYE: RINSE EYE WITH RUNNING WATER FOR SEVERAL MINUTES

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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	68647-73-4	1%
GELLING MIXTURE	US54-2213-4A48-5017-0939	99%
PURIFIED WATER (AQUA)	7732-18-5	ad 100%
IMPURITIES	NONE DETECTED	

SECTION 4 FIRST AID MEASURES

GENERAL	NONE
INHALATION & DELAYED EFFECT	NONE
SKIN CONTACT & DELAYED EFFECTS	IF SLIGHT IRRITATION OCCURS, RINSE WITH WATER AND DISCONTINUE USE
EYE CONTACT & DELAYED EFFECTS	FLUSH WITH WATER FOR A MINIMUM OF 5 MINUTES. IF IRRITATION PRESISTS, SEEK MEDICAL ATTENTION.
INGESTION & DELAYED EFFECTS	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
HAZARD FROM CHEMICAL	NONE
TOXIC FUMES	NONE
OXIDE PRODUCTION	NONE
UNSUITABLE EXTINGUISH MEDIA	NONE
FIRE AND EXPLOSION HAZARDS	NONE
PERSONAL PROTECTION WHEN FIREFIGHTING	NONE
SPECIAL FIREFIGHTING PROCEDURES	NONE

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	NO PROTECTIVE GEAR REQUIRED
ENVIRONMENTAL PRECAUTIONS	NONE
CLEANING MEASURES	RINSE WITH SPILL WITH WATER THEN CLEAN UP SPILL AREA
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.
SPECIFIC END USES	BURN TREATMENTS
RECOMMENDATIONS	THE BURNSHIELD VESTS 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 GENERAL OCCUPATIONAL HYGIENE/PERSONAL PROTECTION

CONTROL PARAMETER	NONE
EXPOSURE	NONE
RESPIRATORY PROTECTION	NONE
EYE PROTECTION	NONE
HAND PROTECTION	NONE
SKIN PROTECTION	NONE

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

VEST	COTTON VESTS 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
FLAMMABILITY	NOT IGNITABLE
AUTO IGNITION TEMPERATURE	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
CHEMICAL STABILITY	NONE
CONDITIONS TO AVOID	NONE
POSSIBLE HAZARDOUS REACTION	NONE
INCOMPATIBLE MATERIAL	NONE
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
ACUTE TOXICITY	NON-TOXIC
INHALATION & DELAYED EFFECT	NON-TOXIC
SKIN IRROSION / IRRITANT & DELAYED EFFECT	NON-TOXIC
SERIOUS EYE DAMAGE / IRRITANT & DELAYED EFFECT	NON-TOXIC
RESPIRATORY / SKIN SENSITISATION & DELAYED EFFECT	HYPERSENSITIVE SKINS MAY DEVELOP A SLIGHT SKIN REDDENING ON CONTACT
INGESTION & DELAYED EFFECT	LOW RISK – LD50 MORE THAN 10g/kg BODY WEIGHT
CHRONIC EFFECTS	NONE
MUTOGENICITY	NONE
CARCINOGENIC	NONE
REPRODUCTIVE TOXICITY	NONE
STOT	NONE
ASPIRATION	NONE
OTHER TOXICOLOGICAL INFORMATION	NO OTHER TOXICOLOGICAL EFFECTS KNOWN
ORAL TOXICITY	LOW RISK – LD50 MORE THAN 10g/kg BODY WEIGHT

SECTION 12 ECOLOGICAL INFORMATION

TOXICITY	NON-TOXIC
PERSISTANT & DEGRADABILITY	PRODUCT IS TOTALLY BIODEGRADABLE OR RECYCLABLE
BIOACCUMUALTIVE POTENTIAL	NO EFFECTS
MOBILITY IN SOIL	GEL IS 96% WATER AND WILL NOT AFFECT THE SOIL. THE COTTON USED IS BIODEGRADABLE.
ECOTOXICITY	THE ENVIROMENTAL EFFECTS OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED
OTHER EFFECTS	NONE

SECTION 13 DISPOSAL CONSIDERATIONS

DECONTAMINATION/DISPOSAL	NO SPECIAL PRECAUTIONS, HYDROGEL CAN BE FLUSHED DOWN THE DRAIN COTTON CAN BE DISPOSED WITH GENERAL WASTE AND BE IN LANDFILLS
DISPOSAL GROUP	NOT APPLICABLE
OTHER EFFECTS	NONE

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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
OTHER INFORMATION	DEVICE DOES NOT CONTAIN HAZARDOUS SUBSTANCES. DOES NOT REQUIRE SPECIAL TRANSPORT OR SHIPMENT CLEARANCE AND INSTRUCTIONS

SECTION 15 REGULATORY INFORMATION

BURNSHIELD BURN VESTS 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:	ANNEX 4. GUIDANCE ON THE PREPARATION OF THE SDS COMMISSION REGULATION (EU) 2020/878 OF 18 JUNE 2020 ECHA – GUIDANCE ON COMPILATION OF SDS VERSION 4 – DECEMBER 2020
ORIGINAL DATE:	OCTOBER 1999
REVISION DATE:	26 OCTOBER 2023
REVISION VERSION:	17
FURTHER INFORMATION CONTACT:	M. DI DOMENICO +27 (11) 827 4140 max@burnshield.com

SUMMARY AND CONCLUSION

BURNSHIELD BURN VESTS CONTAINS NO DANGEROUS SUBSTANCES AND DO NOT POSE ANY RISKS DURING HANDLING, TRANSPORTATION AND USE. AS SUCH, BURNSHIELD BURN VESTS 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