



MANUFACTURERS OF BURNSHIELD EMERGENCY BURN CARE PRODUCTS

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MATERIAL SAFETY DATA SHEET

BURNSHIELD DRESSINGS	PAGES	1 of 4
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	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

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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

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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



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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

FOR FURTHER INFORMATION CONTACT:	M. DI DOMENICO
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Product Name:	Alcohol Free Hand & Surface Wipes	SDS Reference	BHS002c
Version No. 1	Initial issue date September 24 th , 2013	Revision date	

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

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

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

Product Name:	Alcohol Free Hand & Surface Wipes	SDS Ref.	BHS002c
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2. HAZARDS IDENTIFICATION

Pictogram(s):	NONE	Signal word
		NONE
Hazard statement(s)	NONE	
Precautionary statement(s)	NONE	
2.3 OTHER HAZARDS	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	CHIP: Xi: R36; CLP: Eye Irrit.2 H319	< 1.0%

4. FIRST AID MEASURES

4.1 Description of measures

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

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Use suitable protective equipment (see section 8)
6.2 Environmental precautions	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.
6.3 Methods and materials for cleaning up	Take up excess liquid with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed.

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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

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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 _{Oct/water}	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 ₅₀ 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 ₅₀	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

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13. DISPOSAL CONSIDERATIONS

Advice on disposal	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.
Contaminated packaging	Treat empty containers in the same way as the product: if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations	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.
15.2 Chemical safety assessment	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.

Product Name:	Alcohol Free Hand & Surface Wipes	SDS Ref.	BHS002c
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Safety data sheet prepared by Rising HS&E Services.