

**Material Safety Data Sheet**  
**BURNSHIELD**

DOSAGE FORM: Hydrogel 125ml and 50ml Burnblotts 3.5ml

Use: Emergency treatment of all types of wounds

**DESCRIPTION**

Burnshield gel packed into Highlight Density polyethene bottles and multilayered aluminium pouches.

**Composition**

Gel Formula	
Chlorbutanol	Antibacterial / Preservatives
Alcohol	Solvent
Marlophen NP9	Wetting Agent
Iragasan DP300	Bacteriostat
Carbopol 934P NF	Gelling Agent
Propylene Glycol	Moisturiser
Tea Tree Oil	Active
Triethanolamine	Gelling Agent

**Hazard Information**

No Hazards are identified for use, storage or transportation of hydrogel and burnblotts.

**First Aid Measures**

General;	None
Inhalation;	None –move away from source
Skin Contact	if slight irritation occur, rinse with water and stop use
Ingestion	None
Information to Health Personnel	The LD50 has been establishes to be in excess 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.

**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 Personnel**

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 gel.

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### **Fire Fighting Measures**

Suitable Extinguisher:	All types suitable
Unsuitable Extinguisher Media:	None
Fire And Explosion Hazard:	None
Personal Protection when Fire Fighting:	None
Special Fire fighting Procedures:	None

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### **Accidental Spillage Measures**

Personal Precautions:	None
Environmental Precaution:	None
Cleaning Measures:	Rinse with water
General:	Burn gel is water soluble and is easily rinsed

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### **Handling And Storage**

Special Precautions:	None
Handling	No special precaution
Storage	protect from extreme temperature
Other Information:	the hydrogel and burnblotts are supplied in a sterile state. Special precaution should be observed to ensure that the packaging is not damaged during storage and handling.

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### **Exposure Controls/Personal Protection**

Exposure Control:	None
Respiratory Protection:	None
Eye Protection:	None
Hand Protection:	None
Skin Protection:	None

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### **Physical And Chemical Properties**

Form:	Hydrogel
Colour of gel	White to colourless
Odour	Of gel of tea tree oil
Density	approx 1.000 at 20°C
Viscosity	minimum 500cPs
Brookfield-spindle 6,20rpm	
Boiling Point	approx 105°C
PH	5.5-7.5
Auto Ignition Temp	Will not auto- ignite
Solubility in Water	100%soluble in Water

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### **Stability And Reactivity**

Stability:	Burnshield gel is very stable through wide range of temperatures and humidity
Reactivity:	Will not react with others substance. Will dissolve other water soluble chemicals when in contact.
Hazardous Decomposition Products:	None
Other Information:	Burn gel is stable for minimum 5 year. No harmful degradation products have been established. Water soluble substances may dissolve when in contact with Burnshield gel. Burnshield gel is compromised mainly of water and will thus conduct electricity.
Sterile:	Sterilised by Gamma Irradiation

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### **Toxicology 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 skin may develop a slight skin reddening on contact.
Mutogenicity:	None
Cancer:	None
Reproduction:	No effect
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

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**Ecological Information**

Mobility

Not applicable

Biodegradability

product is totally biodegradable or recyclable

Accumulation

No effect

Ecotoxicity:

None

Other Effects

None

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**Disposal**

Decontamination/Disposal:

No special precaution can be flushed down the drain

Disposal Group:

Not applicable

Other Effects:

None

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