

**Sting Relief Pad** 

## SECTION I – PRODUCT IDENTIFICATION

**Sting Relief Pad** 

PRODUCT: Product Trade Name: Chemical name and Synonyms: Chemical Formula Emergency Telephone Number:

Dukal Sting Relief Pads and Towelettes (private label included) Benzocaine / Isopropyl Alcohol NH2C6H4COOC2H5 / CH<sub>3</sub>CHOHCH<sub>3</sub> 631-656-3800

## SECTION II – HAZARDOUS INGREDIENTS

Hazardous Components	OSHA PEL	ACGIH TLV	Other	% (optional)
(Specific Chemical Identity Com	mon Name(s))			
Isopropanol (CAS No. 67-63-0	) 400ppm	400ppm	N/A	60%
Benzocaine (CAS No. 94-09-7	) Not Esta	ablished		6%

## NFPA Health = 1 Flammability = 3 Reactivity = 0

## SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Physical State:	Individually sealed Sting Relief Packet
Boiling Point:	N/A
Vapor Pressure (mm Hg):	Unknown
Vapor Density:	N/A
Specific Gravity:	0.8405
Melting Point:	N/A
Evaporation Rate (Butyl Acetate=1):	N/A
Solubility in Water:	Pad is not soluble in water
Appearance and Odor:	White Non Woven cloth saturated with Solution

## SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):68.5°F TOCFlammable Limits:750° FLEL:N/AUEL:N/AExtinguishing Media:Alcohol Resistant Foam, CO2, or Dry ChemicalSpecial Fire Fighting Procedures:Handle as a Flammable LiquidUnusual Fire and Explosion Hazards:Respiratory Protection Required for Firefighting Personnel



# SECTION V- REACTIVITY DATA

Stability	Stable
Incompatibility (Materials to Avoid):	None Known
Hazardous Decomposition or Byproducts:	None Known
Hazardous Polymerization	Will Not Occur
SECTION VI	– HEALTH AND HAZARD DATA
Route(s) of Entry:	
Inhalation?	None Known
Skin?	Topically Applied
Eyes?	Will sting if splashed in eyes
Ingestion?	None
Health Hazards (Acute and Chronic):	
Inhalation	None
Skin Contact	If rash or irritation develops, discontinue use.
Eye Contact	Rinse with cool water.
Ingestion	If ingested, seek medical attention.
Carcinogenicity	
NTP?	NA
LARC Monograph?	NA
OSHA Regulated?	NA
Signs and Symptoms of Exposure:	Coughing, dizziness and watery eyes
Medical Conditions Generally Aggravated by Exposure:	Sensitive or inflamed skin may become irritated.
Emergency and First Aid Procedures:	If large quantities are ingested, administer warm water and contact physician. With eye contact, flush with water. If irritation persists, contact physician.

# SECTION VII- PRECAUTION FOR SAFE HANDLING AND USE

Steps to be taken in Case Material	Eliminate all sources of ignition and Absorb with absorbent
is Released or Spilled:	material.

Waste Disposal Method:

Follow local, state and federal regulations

Material Safety Data Sheet

	Material Safety Data Sheet (MSDS)	Dukal Corporation
LD TKTNZ	Material Safety Data Sheet (MSDS)	2 Fleetwood Court
0022020000	Sting Relief Pad	Ronkonkoma, NY 11779 631-656-3800
Storage:	None	
Precautions to Be taken in Han and Storage:	ndling None Known	
Other Precautions:	None Known	
	SECTION VIII- CONTROL MEASURES	
Respiratory Protection (Specifi	<i>ic Type):</i> None Required	
Ventilation		
Local Exhaust:	None	
Mechanical (General):	None	
Special:	NA	
Other:	NA	
Protective Gloves:	NA	
Eye protection:	Goggles: Use eye bath if ey	e contact occurs.
Other Protective Clothing or Eq	quipment: NA	
Work / Hygiene Practices:	Good hygienic practice.	
SECTION	I IX- INTERNATIONAL TRANSPORT INFOR	RMATION
Proper Shipping Name:	Solids containing Flammable L	iquid. n.o.s. (Isopropanol)
Hazard Class / Package Group	4.1, II	
Identification Number	UN3175	
ΙΑΤΑ	Special Provision A46	

IMDG Code

Special Provision A46 Special Provision 47 **Special Provision 216** 

According to DOT 49 CFR 172.102 Special Provision 47, IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

USDOT



Issue Date:	
Prepared by:	

6-28-10 Jim Vilardi

#### Disclaimer

The information provided on this MSDS 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 material used in combination with any other material or in any process, unless specified in the text



上海天祥質量技術服務有限公司 Intertek Testing Services Ltd., Shanghai TFH Division 上海市宜山路801號金陵商務廣場B座 200233 Block B, Jinling Business Square, No.801 Yi Shan Road, Shanghai, China. 200233 Telephone: +86 21 6120 6565 Facsimile: +86 21 6495 0740 www.intertek.com www.intertek.labtest.com.cn 全國免費熬緩(China Toll-Free): 800 999 1338

<u>Rating Key</u>

#### Material Safety Data Sheet (MSDS) Issue Date: September 21, 2007

STH0520096 MSDS #: 07-001

Synonyms: None

Section 1 – Chemical Product & Company Identification Product Name: Waterproof Matches (829-2057) Trade Names: None Product Type: Matches Formulation: Proprietary

#### Hazard Ratings\*

NPCA/	<u>HMIS</u>	<u>NFPA 704</u>	0 = minimal 1 = slight
Health:	0	0	2 = moderate
Flammability:	2	2	3 = serious
Reactivity:	0	0	4 = severe

\*

See Section 16 for abbreviations used in this MSDS

Manufacturer/Distributor Horizon Leisure Products Co., Ltd. 550 Huayou Road Qibco, Minhang District Shanghai, China Tel: 021 5486 7778

#### Section 2 - Composition/Information on Ingredients

None of the ingredients in this product are considered to be hazardous by OSHA (as defined in the OSHA Hazard Communication Standard 29 CFR 1910).

Section 3 – Hazards Identification/Emergency Overview Flammable Solid Inhalation – This product cannot be inhaled Ingestion – May cause nausea and vomiting. Skin Contact- No adverse effects expected. Eye Contact – May cause slight eye irritation.

Carcinogenic: IARC – No NTP – No OSHA – No

#### Section 4 – First Aid Measures

Inhalation – No First Aid Needed. Ingestion – No first aid needed. Skin contact – No first aid needed. Eye Contact – Flush affected eyes with water, seek immediate medical help.

#### Section 5 – Fire Fighting Measures

Flammable Solid, product will burn if heated to high temperatures. Extinguishing Media: Whatever is appropriate for surrounding media. Special Fire-fighting Procedures or Equipment: None. Hazardous Combustion Products: carbon dioxide, carbon monoxide, oxides of nitrogen Fire/Explosion Hazards: None known



上海天祥質量技術服務有限公司 Intertek Testing Services Ltd., Shanghai TFH Division 上海市宜山路801號金陵商務廣場B座 200233 Block B, Jinling Business Square, No.801 Yi Shan Road, Shanghai, China. 200233 Telephone: +86 21 6120 6565 Facsimile: +86 21 6495 0740 www.intertek.com www.intertek.labtest.com.cn 全國免費熱錢(China Toll-Free): 800 999 1338

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# Section 6 – Accidental Release Measures

Pick up and place in appropriate container

#### Section 7 - Handling & Storage

No special handling procedures are needed for this product. Store product away from heat.

# Section 8 - Exposure Controls/Personal Protection

None required.

## Section 9 – Physical/Chemical Properties

Appearance/State: multicolored solid Solubility (water): insoluble (organics): insoluble

Odor: none

#### Section 10 - Stability/Reactivity

This material is stable and non-reactive with most materials.

#### Section 11 - Toxicological Information

This product is not expected to cause acute or chronic toxicity or be corrosive or significantly irritating to the skin, eyes or mucous membranes. It may cause slight irritation to the eyes via mechanical action.

#### Section 12 - Ecological Information

This product is not expected to cause toxicity to the environment or be biomagnified or bioconcentrated in the environment.

#### Section 13 - Disposal Considerations

This product may be disposed in a municipal landfill.

#### Section 14 - Transportation Information

This product is regulated by the US Department of Transportation.Proper Shipping Name: Matches SafetyUN No.: UN 1944Hazard Class: 4.1Packing Group III

#### Section 15 - Regulatory Information

Note: This regulatory information included here should not necessarily be considered allinclusive. This product is not subject to the reporting requirements of the CERCLA, the Clean Air Act and the Clean Water Act (US) or formulated with, nor do the manufacturing or formulation processes utilize any Class I or II Ozone depleting substances.

# Intertek

上海天祥質量技術服務有限公司 Intertek Testing Services Ltd., Shanghai TFH Division 上海市宜山路801就金陵商務廣場B座 200233 上海市直田路801號至12,47部 梁初度至 2002年 Block B, Jinling Business Square, No.801 Yi Shan Road, Shanghai, China. 200233 Telephone: +86 21 6120 6565 Facsimile: +86 21 6495 0740 www.intertek.com www.intertek-labtest.com.cn 全國免費熱綫(China Toll-Free): 800 999 1338

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#### Section 16 - Other Information

The recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer/distributor of this product provides any warranty, guaranty or representation as to the correctness or sufficiency of this information.

Abbreviations used in this MSDS

CERCLA = Comprehensive Environmental Response Compensation and Liability Act CFR = Code of Federal Regulations IARC = International Agency for Research on Cancer NFPA = National Fire Protection Association NPCA/HMIS = National Paint & Coatings Association's Hazardous Materials Information System NTP = National Toxicology Program

OSHA = Occupational Safety & Health Administration

MSDS Prepared by <u>mil - mel</u> M.J. Norvell, Ph.D., DABT

5001.21,2007 Date



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# MATERIAL SAFETY DATA SHEET

ACCORDING TO 91/155/EEC AND ISO 11014-1 Prepared on: Feb 1, 2006 Revised on: June 1, 2006 Number: RJSSH060605MSDSEU

IDENTITY (As Used on Label and List) Product name: Disposal Warmer

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: TIANJIN COMPORT INDUSTRIAL CO., LTD. Address (Number, Street, City, State, and ZIP Code): NO.6 WEISHAN ROAD, TEDA, TIANJIN, CHINA

Emergency Telephone Number: +86-22-25325624 Fax Number for Information: +86-22-25326652

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Single or mixture component: Mixture component. (Component that is packaged in an inner bag, which is additionally packaged in an outer bag)

1994 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 -		
Substance		CAS No.
<b>0.0</b> 0	2	
Mixture compone	( C	
fron powder		7439-89-6
899 C 997 C 997 C 977 C 97		i tradition with the
Water		7732-18-5
		e e service de la contract
Venniculate		1318-00-9
		1210-02-03
Activated carbon	· · · · · · · · · · · · · · · · · · ·	7440-44-0
		1 ***** U******U
Sodium chloride		96 x 7 x x x
		7647-14-5
	\	······
Bernerson in Teamana		
Inner bag:		
Classical and the		
Elhylene polymer	Ö. A	26221-73-8
		and a subsection of the subsection
Propylen polymer		9003-07-0
** * *		~~~~~
16990. AL		
Outer bag:		N
Poly vinylidene chi	aride construier	32335-23-2
	a value washing 114 mart	the second s
Polypropylene film		9063-07-0
		www.www.vit "W
Polyethylene film		9002-88-4
a. multi-man effective 1995.03		orang-cio-4



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## SECTION III - HAZARDS IDENTIFICATION

Emergency Overview: This product with no health hazards reported from normal use. The most important hazard is that prolonged contact with the skin at the same sile may cause a cryogenic burn.

Route of entry: Inhalation, skin contact, eye contact, ingestion.

Eye: Dust may cause irritation or corneal injury due to mechanical action. Fumes released during hot operation may cause eye irritation. Exposure to gas of outer bags causes eyes to be inflamed with tear production and itch. Skin: May cause skin irritation for certain people.

Ingestion: May be harmful if swallowed.

Inhalation: Fumes generated under heat may cause irritation to upper respiratory tract and lungs.

At 165°C or higher, outer bag produces gas which may initiate eyes, nose, and throat.

Note: Read the entire MSDS for a more thorough evaluation of the hazards.

## SECTION IV - FIRST AID MEASURES

#### Mixture components in a bag:

Eye contact: Never rub eyes. Flush eyes with plenty of clean water. Seek medical attention if you feel unwell. Skin contact: Wash skin with plenty of scap and water or warm water. Ingestion: Rinse the mouse and spit it out. Seek medical attention if you feel unwell.

#### Innerlouter bags:

Eye contact: There is a risk of eyeball to be scratched. Flush eyes with plenty of clean water. Get medical attention if you feel unwell.

Skin contact: If initated, wash skin with plenty of soap and water or warm water. If molten material gets on skin, flush a plenty of water and cool the affected area down. Never peel it off. Get medical attention.

Inhelation: No evaporation occurs under normal conditions. When experienced over exposure to gas which is produced from hot molten resin, remove to fresh air. At 165°C or higher, outer bag produces gas which may imitate eyes, nose, and throat.

Ingestion: Spil it out immediately. If ingested, seek medical attention.

#### SECTION V - FIRE FIGHTING MEASURES

#### Extinguishing Media:

Use dry chemical, water log, foam and carbon dioxide.

#### Fire Fighting Procedures:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Fight fire from the maximum distance. Evacuate area. Extinguish a fire from windward. Prevent inhatation of gas produced.

#### Specific Hazards:

When involved in a fire, this material may decompose and produce imitating fumes and gas.



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SECTION VI - ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Wear appropriate personal protective equipment as specified in Section VIII. Avoid direct contact with skin.

#### Environmental Precautions:

This material may be non-hazardous in ordinary use and may be discarded in accordance with applicable governmental regulations and lake order with the demands of the environmental protection section.

#### Methods of Clean up:

Sweep and scoop all spilled material. Place them into a water-filled container. Dispose in accordance with applicable state and federal regulations.

## SECTION VII-HANDLING AND STORAGE

#### Handling Precautions:

Do not use this product any place near flame and under high temperature. Never put the mixture powder out of inner bag.

#### Storage Precautions:

Keep product in a cool place away from exposure to sunlight. Do not store product any place where becomes high temperature. Do not damage to outer bag.

SECTION VIIL EXPOSURE CONTROL SIPERSONAL PROTECTION

#### Engineering measure:

Use exhaust ventilation to keep airborne concentration below exposure limit.

#### Personal protection equipment:

Respiration protection: if TLV of product or any component is exceeded, a NIOSH approved air supply respirator is advised in absence of proper environmental control.

Eye protection: Not required under normal use.

Hand protection: Not required under normal use.

Skin and Body Protection: Not required under normal use.

Recommended decontamination facilities: Eye bath, safety shower, washing facilities.



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# Section IX - PHYSICAL AND CHEMICAL PROPERTIES

Mixture component:

Physical state Form: Solid powder Color: Black Odor: Odorless Flash point: No ignition at 140°C Auto-ignition: Not applicable to Auto-ignition substance stated in UN recommendations Self-heating: Not applicable to Auto-ignition substance stated in UN recommendations Water solubility: Insoluble, except for sodium chloride

#### Inner bag;

Appearance: White or colored sheet Melting point: Polyethylene: 115°C or higher Specific gravity: Polyethylene: 0.91 to 0.94 Water solubility: Insoluble

Polypropylene: 125°C or higher Polypropylene: 0.69

#### Outer bag:

Appearance: Transparent or colored sheet Melting point 160 to 165 C Specific gravity: 1.00 to 1.20 Water solubility: insoluble

# SECTION X - STABILITY AND REACTIVITY

Mixture components:

Stability: Stable under ambient conditions. Reactivity: Capable of spontaneous heating, materials reacting with oxygen. Conditions to avoid: Forbid the use in the circumstance with high oxygen concentration. Hazardous decomposition products: None.

#### inner bag:

Flash point: Polyethylene: 450°C or higher Polypropylene: 400°C or higher Water reactivity: None Oxidization: None Self-reactivity/Explosive: None Stability/Reactivity: Stable and non-reactive under ambient storage and handling conditions.

Outer bag:

Inflammation point: 340 to 400 °C Flash point: 400 to 500 °C Water reactivity: None Oxidization: None Self-reactivity/Explosive: None Stability/Reactivity: Stable and non-reactive upday ambient of

Stability/Reactivity: Stable and non-reactive under ambient storage and handling conditions.



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### SECTION XI - TOXICOLOGICAL INFORMATION

Mixture component:

Acute toxicity. None known about oral/dermal toxicity.

Inner bag: Skin corrosion: None. Imitation: Physical Initiation to eyes and skin. Sentisization: None. Acute toxicity: None known about oral toxicity. Carcinogenicity: Polyethylene/Polypropylene cannot be classified as carcinogen to human by IARC category.

Outer bag:

Initation: Vapor and gas produced during heat melting cause irritation to eyes and respiratory. Sensitization: None

#### SECTION XIL-ECOLOGICAL INFORMATION

#### Environmental Toxicity:

On the basis of available information, this product is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

#### Mixture components:

Mobility: None known Persistence/degradability: None known Bicaccumulative potential: None known

#### Inner/Outer bags:

Degradability: Non-degradable for long time

#### SECTION XIII - DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods:

Used or unused product should be disposed of in accordance with Federal. State or Local Laws and Regulations.

#### Empty Container Warnings:

Empty containers may contain product residue, follow SDS and label warnings even after they have been emptied.

### SECTION XIV - TRANSPORT INFORMATION

US Department of Transportation Classification: The product is not a DOT controlled material (United States). International Air Transportation Association Classification: This product is not classified as a hazarcous material for transport under IATA regulations.



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International Maritime Organization – IMDG:

This product is not classified as a hazardous material for transport under IMDG regulations. UN, IMO, ADR/RID, ICAO Code:

This product is not classified as a hazardous material for conveyance under these codes.

Specific precautionary transport measures: Avoid weiting and violent handling. Ensure to avoid falling, drop, and damage and prevent load collapse during transport.

SECTION XV - REGULATORY INFORMATION

EC label: N/A Contains: N/A Other regulation: N/A For details regulations you should contact the appropriate agency in your country.

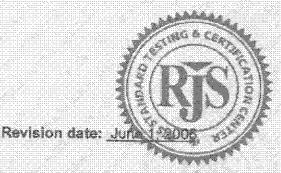
## SECTION XVI OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. No warranty, either expressed or implied is hereby made. The recommended industrial hygione and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

## NOTE

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. RJS Standard Testing & Certification Center makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating there to. The data is offered solely for your consideration, investigation, and scritication. RJS Standard Testing & Certification Center assumes no legal responsibility for use or reliance upon this data.

Emma Hsu Chief Operation Officer





# **MATERIAL SAFETY DATA SHEET**

## DATE: 02/21/2006

**PRODUCT NAME:** ZINC CARBON BATTERY **TRADE NAMES:** Expocell **CHEMICAL SYSTEM:** Zinc Carbon Manganese Dioxide Zinc 
 Type No.: AA, AAA,C,D,9V,4R25
 Volts: 1.5V,9V,6V

 Approximate Weight:
 17 g,9.5g, 45g, 102g, 39g,550g

 Designed for Recharge:
 No

# **1. MANUFACTURER INFORMATION**

Company name: Expocell Group/VPower, Inc.

Tel:86-574-8717 2960 Fax:86-574-8717 1999

Add: Rm 506,507 Century Plaza No. 14 Hualou Street , Ningbo , China

# 2. HAZARDOUS INGREDIENTS & PHYSICAL CHEMICAL CHARACTERISTICS

IMPORTANT NOTE: Do not open or burning the battery. Exposure to the ingredients inside or their combustion products could be harmful to health.

INGREDIENTS-ZINC CARBON ------INGREDIENT INGREDIENT NAME C(%) MnO2(%) Zncl(%) NH4cl(%) ROD(%) ZINC-CAN(%) Hg(%) Others(%) ITEM NO. 4.6 21.1 6.5 1.16.5 26.5 < 0.001 33.7 AA AAA 4.7 21.3 6.5 1.17.0 37.3 < 0.001 22.1 С 5.7 23.7 8.0 1.4 5.6 24.2 < 0.001 31.4 D 4.3 17.7 5.9 1.0 5.6 18.3 < 0.001 47.2 4R25(30%EMD) 5.24 32.96 17.25 1.26 5.86 < 0.0001 20.36 17.07 4R25(100%EMD) 5.27 5.68 17.98 < 0.0001 19.92 32.48 17.41 1.26 THE "OTHERS" INCLUDING SEPERATOR ; SEAL PLASTIC AND PACKAGE, ETC. OF THE BATTERIES.



# **3. FIRE AND EXPLOSION HAZARD DATA**

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture. Fire fighters should wear self-contained breathing apparatus.

# 4. CHEMICAL REACTIVITY

Not allowed to disposed of in fire, inserted incorrectly, disassemble, short circuit or recharged.

Heating or burning may produce hazardous fumes of Zinc and Manganese Dioxide; caustic vapors of potassium hydroxide and other toxic substance.

# 5. HEALTH HAZARD DATA

Under normal conditions of use, the battery is hermetically sealed.

**Ingestion:** Swallowing a battery can be harmful.

Contents of an open battery can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract.

If battery or open battery is ingested, do not induce vomiting or give food or drink. Seek medical attention immediately.

**Inhalation:** Contents of an open battery can cause respiratory irritation. Provide fresh air and seek medical attention.

**Skin Contact:** Contents of an open battery can cause skin irritation and/or chemical burns Remove contaminated clothing and wash skin with soap and water. If a chemical burn occurs or if irritation persists, seek medical attention.

**Eye Contact:** Contents of an open battery can cause severe irritation and chemical burns Immediately flush eyes thoroughly with water for at least 15 minutes, lifting upper and lower lids, until no evidence of the chemical remains. Seek medical attention.

# 6. PRECAUTIONS FOR SAFE HANDLING

**Storage:** Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

**Mechanical Containment:** If potting or sealing the battery in an airtight or watertight container is required, consult our representative for precautionary suggestions. Batteries normally evolve hydrogen which, when combined with oxygen from the air, can produce a

# EXPOCELL

combustible or explosive mixture unless vented. If such a mixture is present, short circuits, high temperature, or static sparks can cause an ignition.

Do not obstruct safety release vents on batteries. Encapsulation (potting) of batteries will not allow cell venting and can cause high pressure rupture.

**Handling:** Accidental short circuit for a few seconds will not seriously affect the battery. Prolonged short circuit will cause the battery to lose energy, and can cause the safety release vent to open. Sources of short circuits include jumbled batteries in bulk containers, metal jewelry, metal covered tables or metal belts used for assembly of batteries into devices.

If soldering or welding to the battery is required, consult our representative for proper precautions to prevent seal damage or short circuit.

**Charging:** This battery is manufactured in a charged state. It is not designed for recharging. Recharging can cause battery leakage or, in some cases, high pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

**Labeling:** If the label or package warnings are not visible, it is important to provide a package and/or device label stating:

**WARNING:** Do not install backwards, charge, put in fire, or mix with other battery types. May explode or leak causing injury.

Replace all batteries at the same time.

Where accidental ingestion of small batteries is possible, the label should include: Keep away from small children. If swallowed, promptly see doctor;

**Disposal:** Dispose in accordance with all applicable federal, state and local regulations. Appropriate disposal technologies include incineration and land filling.

# 7. CONTROL MEASURES

Ventilation Requirements: Not necessary under normal conditions.

**Respiratory Protection:** Not necessary under normal conditions.

**Eye Protection:** Not necessary under normal conditions. Wear safety glasses with side shields if ihandling an open or leaking battery.

**Gloves:** Not necessary under normal conditions. Use neoprene or natural rubber gloves if handling an open or leaking battery.



# SECTION I – PRODUCT IDENTIFICATION

Product Trade Name: Chemical name and Synonyms: Chemical Formula Emergency Telephone Number:		rep Pads and Towelette Dukal BZK Pads and Towe Benzalkonium Chloride C22H40CIN 631-656-3800	lette (private label included)
Hazardous Components     (Specific Chemical Identity Comm	OSHA PEL	ACGIH TLV Other	% (optional)
		No component over 1%	
NFPA H	Health = 0	Flammability = 0	Reactivity = 0
SECTION	III – PHYS	ICAL / CHEMICAL CHARAG	CTERISTICS
Physical State:		Individually sealed BZK Pa	cket
Boiling Point:		N/A	
•		N/A	
Vapor Density:		N/A	
Specific Gravity:		0.878	
Melting Point:		N/A	
Evaporation Rate (Butyl Acetate	e=1):	N/A	
Solubility in Water:		Pad is not soluble in water	
Appearance and Odor:		White Towelette saturated with Solution	
SECTI	ON IV- FIR	RE AND EXPLOSION HAZA	RD DATA
Flash Point (Method Used):		N/A	
Flammable I imits:		N/A	

Flammable Limits:	N/A
LEL:	N/A
UEL:	N/A
Extinguishing Media:	Any Type
Special Fire Fighting Procedures:	Wear proper protection, fight fire from a safe distance.
Unusual Fire and Explosion Hazards:	None Known



**BZK Prep Pads and Towelette** 

## SECTION V- REACTIVITY DATA

Stability	Stable
Incompatibility (Materials to Avoid):	None Known
Hazardous Decomposition or Byproducts:	None
Hazardous Polymerization	Will Not Occur
SECTION VI	– HEALTH AND HAZARD DATA
<u>Route(s) of Entry:</u> Inhalation? Skin? Ingestion? Health Hazards (Acute and Chronic):	None Discontinue if rash or irritation occurs None Prolonged breathing of vapors may cause coughing, shortness of breath, intoxication. Eye contact may cause moderate irritation.
<u>Carcinogenicity</u> NTP? LARC Monograph? OSHA Regulated?	NA NA NA
Signs and Symptoms of Exposure:	Coughing, dizziness and watery eyes
Medical Conditions Generally Aggravated by Exposure:	Sensitive or inflamed skin may become irritated.
Emergency and First Aid Procedures:	If large quantities are ingested, administer warm water and contact physician. With eye contact, flush with water. If irritation persists, contact physician.
SECTION VII- PRECA	UTION FOR SAFE HANDLING AND USE
Steps to be taken in Case Material is Released or Spilled:	Eliminate all sources of ignition and flush with large quantities of water spray.
Waste Disposal Method:	Follow local, state and federal regulations
Storage:	None

Material Safety Data Sheet

	Material S	Safety Data Sheet (MSDS)	Dukal Corporation	
BZK		ep Pads and Towelette	2 Fleetwood Court Ronkonkoma, NY 11779 631-656-3800	
<i>Precautions to Be taken in Han and Storage:</i>	dling	None Known		
Other Precautions:		None Known		
	SECTION	VIII- CONTROL MEASURES		
Respiratory Protection (Specifi	c Type):	NA		
<u>Ventilation</u> Local Exhaust: Mechanical (General): Special: Other: Protective Gloves:		None None NA NA NA	a contact occurs	
Eye protection:		Goggles: Use eye bath if eye		
Other Protective Clothing or Eq	quipment:	NA		
Work / Hygiene Practices:		Good hygienic practice.		
SECTION IX- INTERNATIONAL TRANSPORT INFORMATION				
Product Class:		DOT not regulated		
UN Number:				
Issue Date:	8-26	s-10		
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