

MATERIAL SAFETY DATA SHEET

CHILL-ITS® COOLING TOWEL

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MSDS No.
Date Created: 9/8/2013
Supercedes: 7/23/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CHILL-ITS® COOLING TOWEL
General Use: Evaporative Cooling Towel
Product Description: polymeric towel

MANUFACTURER

Ergodyne
1021 Bandana Boulevard East
St Paul, MN 55108

EMERGENCY TELEPHONE NUMBER:

1-800-424-9300 CHEMTREC

2. HAZARD IDENTIFICATION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)		
	OSHA PEL	ACGIH TLV	OTHER
Polyvinyl Acetal	None Established	None Established	

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable Liquid	NA
Skin Irritation	Category 3 - Causes mild skin irritation
Eye Irritation	NA
Acute Toxicity	Category 5 - May be harmful in contact with skin
Carcinogenicity	NA
Germ Cell mutagenicity	NA
Hazardous to the aquatic env.	NA
Hazardous to the aquatic env.	NA

GHS LABEL ELEMENTS

No pictograms are applicable to this product.

Hazard Statements
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction

Precautionary Statements

General: P103 - Read label before use

Prevention: None Applicable

Response:
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P305+P351+P338 - If experiencing eye irritation, rinse eyes with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

Storage/Disposal: None Applicable

UN GHS

ACCORDING TO THE GLOBALLY HARMONIZED STANDARD FOR
CLASSIFICATION AND LABELING (GHS) THIS PRODUCT IS CONSIDERED
NONHAZARDOUS

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>wt %</u>	<u>CAS Registry #</u>
Polyvinyl Acetal polymer	100%	exact unknown; similar to 25214-85-1

4. FIRST AID MEASURES

INHALATION:

Unlikely to produce an inhalation hazard during normal use.

EYE CONTACT:

Product contains trace levels of biocides and other additives that can cause eye irritation in sensitive individuals on first use of the product

SKIN CONTACT:

Product contains trace levels of biocide and other additives that can cause skin irritation in sensitive individuals on first use of the product

INGESTION:

Unlikely route of exposure during normal use.

5. FIRE FIGHTING MEASURES

Flashpoint and Method: Not Applicable

Flammable Limits: Not Applicable

Autoignition Temperature: Not Applicable

GENERAL HAZARD:

Product is a cured polymer that will support combustion if burned. Combustion products are expected to include carbon monoxide, carbon dioxide, sulfur containing gases, aldehydes, and amines.

FIRE FIGHTING INSTRUCTIONS:

Either allow fire to burn out under controlled conditions or extinguish with water, foam, or dry chemical. Use water spray to cool fire exposed materials.

FIRE FIGHTING EQUIPMENT:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of any SCBA

HAZARDOUS COMBUSTION PRODUCTS:

Nitrogen oxides, carbon monoxide, carbon dioxide, aldehydes, low levels of irritating fumes

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL RESPONSE:

Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Not a RCRA hazardous waste.

WATER SPILL:

Not Applicable.

RECOMMENDED DISPOSAL:

Not a RCRA hazardous waste. Dispose of in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:

store in accordance with manufacturer's instructions.

REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS:

Avoid storing in confined areas where temperatures may exceed 100°C (212°F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>Component</u>	EXPOSURE LIMITS 8 hrs TWA (ppm)		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
polyvinyl acetal	None Established	None Established	

ENGINEERING CONTROLS:

Engineering controls are not applicable under normal use of this product.

PERSONAL PROTECTION:

Personal protection is not required under normal use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: Not Applicable
Specific Gravity: Not Applicable
Solubility in Water: Not Soluble
pH: Not Applicable
Boiling Point: Not Applicable
Viscosity: Not Applicable
Flash Point: Not Applicable

Vapor Density: Not Applicable
Evaporation Rate: Not Applicable
Freezing Point: Not Applicable
Odor: Slight initial odor
Appearance: Closed cell foam
Physical State: Solid
Flammable Range: Not Applicable

10. STABILITY AND REACTIVITY

GENERAL:

Stable under normal temperatures and pressures.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

High temperatures, localized heat sources, oxidizing conditions, direct sunlight, strong oxidizers, strong reducers

HAZARDOUS DECOMPOSITION:

Aldehydes, amines, sulfur gases

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

<u>Component</u>	<u>Acute Test</u>	<u>Value</u>	<u>Species</u>
Not Determined. Cured polymer product is expected to be have a low toxicity to animals.			

ROUTES OF ENTRY:

None Expected

CHRONIC EFFECTS ON HUMANS:

Acute potential health effects:

Eyes: cause eye irritation

Skin: causes skin irritation

Ingestion: Not a significant route of exposure

SPECIAL NOTATION:

Product polymeric material contains trace levels of formaldehyde, Isothiazolone biocides, and amines that are extractable with water and may cause slight irritation in users with a history of aldehyde or amine allergies when the product is first used. The allergens are water soluble and will be removed by rinsing the product with tap water prior to initial use.

12. ECOLOGICAL INFORMATION

This product does not contain sufficient quantities of aquatic toxicants to be toxic to aquatic life under normal use and disposal.

PRODUCTS OF BIODEGRADATION:

Not Applicable.

13. DISPOSAL CONSIDERATIONS

Not a RCRA hazardous waste. Ensure disposal in compliance with Federal, State, and Local disposable regulations for general waste materials.

14. TRANSPORT INFORMATION

The following proper shipping name, hazard class and packing group are in accordance to transportation regulations.

Mode of Transportation	Domestic Surface (USDOT)	Domestic Air	International Air (IATA)
UN Number Proper Shipping Name Hazard Class Packing Group Hazard Label Handling Label(s) ERG#: Packaging Instructions:	Not Classified NA		

15. REGULATORY INFORMATION

TSCA Inventory Status: Listed on the inventory
CERCLA: No reportable quantity

16. OTHER INFORMATION**NATIONAL FIRE PROTECTION ASSOCIATION**

Health: 1
Fire: 1
Reactivity: 0

CREATION/REVISION SUMMARY:

Revised on September 8, 2013

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LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
Saint Paul, Minnesota 55103
651-221-4085

THE INFORMATION RELATES TO THIS SPECIFIC INFORMATION. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.