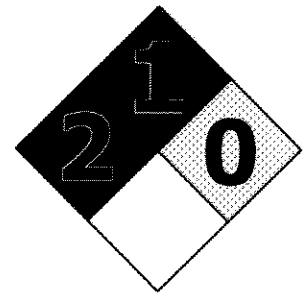


## EMERGENCY OVERVIEW

UNDER NORMAL CONDITIONS OF INTENDED USE, THIS PRODUCT DOES NOT POSE A RISK TO HEALTH. EXCESSIVE EXPOSURE MAY RESULT IN EYE, SKIN OR RESPIRATORY IRRITATION.



### SECTION 1 ● CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>MANUFACTURER:</b>	<i>Chem-Pak, Inc. 242 Corning Way Martinsburg, WV 25405 USA</i>	<b>SUPPLIER:</b>	<i>Bushnell Outdoor Accessories 9200 Cody Overland Park KS 66214</i>
<b>PHONE NUMBER:</b>	<i>800-336-9828</i>	<b>SUPPLIER PHONE:</b>	<i>913-752-3400</i>
<b>FAX NUMBER:</b>	<i>304-262-9643</i>	<b>SUPPLIER FAX:</b>	<i>913-752-3550</i>
<b>24hr EMERGENCY:</b>	<i>800-255-3924 (24 hr) Chem-Tel</i>	<b>SUPPLIER 24hr:</b>	<i>800-535-5053 (24 hr) Info Trac</i>
<b>PRODUCT NUMBER:</b>	<i>P6511CT</i>	<b>SUPPLIER NUMBER:</b>	<i>PBAFSC</i>
<b>PRODUCT DESCRIPTION:</b>	<i>Anti-Fog Pump</i>		
<b>PRODUCT TYPE:</b>	<i>Liquid</i>	<b>REVISION NUMBER:</b>	<i>1</i>
<b>CAS NUMBER:</b>	<i>Mixture</i>	<b>REVISION DATE:</b>	<i>June 29, 2007</i>
<b>EMAIL:</b>	<i>msds@chem-pak.com</i>	<b>PRINT DATE:</b>	<i>August 27, 2007</i>
<b>WEBSITE:</b>	<i>http://www.chem-pak.com</i>	<b>PREPARED BY:</b>	<i>Safety &amp; Environmental Manager</i>

### SECTION 2 ● COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PEL	NIOSH REL	ACGIH PEL	IDLH	% WT
<i>Water</i>	<i>007732-18-5</i>	<i>N/E</i>	<i>N/E</i>	<i>N/E</i>	<i>N/E</i>	<i>&gt; 60</i>
<i>Isopropyl Alcohol</i>	<i>000067-63-0</i>	<i>400 ppm</i>	<i>400 ppm</i>	<i>400 ppm</i>	<i>2000 ppm</i>	<i>10-20</i>
<i>Dipropylene Glycol Monomethyl Ether</i>	<i>034590-94-8</i>	<i>100 ppm</i>	<i>100 ppm</i>	<i>100 ppm</i>	<i>600 ppm</i>	<i>&lt; 10</i>
<i>Propylene Glycol</i>	<i>0000-57-55-6</i>	<i>N/E</i>	<i>N/E</i>	<i>N/E</i>	<i>N/E</i>	<i>&lt; 10</i>

See Section 11 for LD50 and LC50 Species/Route Information.

See Sections 15 and 16 for Symbol Letters and R Phases.

### SECTION 3 ● HAZARD IDENTIFICATION

#### ROUTES OF ENTRY:

Skin Contact	<input checked="" type="checkbox"/>	Skin Absorption	<input type="checkbox"/>	Eye Contact	<input checked="" type="checkbox"/>	Inhalation	<input checked="" type="checkbox"/>	Ingestion	<input checked="" type="checkbox"/>
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#### EFFECTS OF ACUTE EXPOSURE

**EYE:** *Liquid contact may cause pain along with moderate eye irritation.*

**SKIN:** *Prolonged or repeated exposure may cause skin irritation.*

**INGESTION:** *Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis.*

**INHALATION:** *Prolonged or repeated overexposure may cause respiratory irritation.*

#### OTHER HEALTH HAZARD DATA

**EFFECTS OF CHRONIC EXPOSURE:** *Not available*

**MEDICAL CONDITIONS AGGRAVATED:** *May aggravate personnel with pre-existing disorders associated with any of the Target Organs.*

**PRIMARY HAZARDS:** *Sensory Irritation (isopropyl alcohol), Neuropathy (dipropylene glycol monomethyl ether)*

**CARCINOGEN DATA:** *This product is not known to contain any ingredients at concentrations at, or above, 0.1% which are considered carcinogenic by OSHA, IARC, NTP, NIOSH or ACGIH.*

**TARGET ORGANS:** *Eyes, skin, respiratory system, central nervous system*



# MATERIAL SAFETY DATA SHEET

Page 2 of 5  
**Anti-Fog Pump**  
 Part No. P6511CT Liquid  
 Revision 1 ♦ August 27, 2007

## OSHA HAZARD CLASSIFICATIONS

HEALTH HAZARD CLASSIFICATION		PHYSICAL HAZARD CLASSIFICATION							
Irritant	<input checked="" type="checkbox"/>	Sensitizer	<input type="checkbox"/>	Combustible	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Highly Toxic	<input type="checkbox"/>	Flammable	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Corrosive	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	Compressed Gas	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>	Unstable	<input type="checkbox"/>

### SECTION 4 ● FIRST AID MEASURES

**INGESTION:** Seek medical attention if discomfort occurs. Do not induce vomiting.

**SKIN:** Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

**EYE:** Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist or if unconscious.

**NOTES TO PHYSICIAN:** No Data

### SECTION 5 ● FIRE FIGHTING MEASURES

**CONDITIONS OF FLAMMABILITY:** Heat, sparks, flame, red hot metal

**SUITABLE MEANS OF EXTINCTION:** Water, CO<sub>2</sub>, dry chemical, or universal aqueous film forming foam.

**UNSUITABLE EXTINGUISHING MEDIA:** Not available

**FLASH POINT AND METHOD OF DETERMINATION:** Not available

**FLAMMABLE LIMITS:** Lower (LEL): No data Upper (UEL): No data

**AUTOIGNITION TEMPERATURE:** Not available

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of Carbon (CO, CO<sub>2</sub>), smoke, and vapors as products of incomplete combustion.

**EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT:** Not available

**EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE:** Not available

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool fire exposed containers as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

**SPECIAL FIRE AND EXPLOSION HAZARDS:** Not available

### SECTION 6 ● ACCIDENTAL RELEASE MEASURES

**NOTIFICATION PROCEDURES:** Report spills/releases as required to appropriate authorities. Some regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks.

**PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:** For land spills shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13.

For water spills confine the spill immediately with booms. Notify port and/or other relevant authorities. Remove from the surface by skimming or with suitable absorbents.

**ENVIRONMENTAL PRECAUTIONS:** Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil or vegetation.

### SECTION 7 ● HANDLING AND STORAGE

**HANDLING:** No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection.

**STORAGE:** Keep contains closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, or flame.

**EMPTY CONTAINER WARNING:** Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.



# MATERIAL SAFETY DATA SHEET

## SECTION 8 ● EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMIT VALUES:** Since this product is a mixture, an exposure value is not available ... see Section 2 for individual permissible exposure limits. In determination of exposure procedures, protection, or testing, use the lowest rated ingredient from Section 2.

**ENGINEERING AND EXPOSURE CONTROLS:** General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

**RESPIRATORY PROTECTION:** When mists are generated, and/or when ventilation is not adequate, wear a NIOSH approved respirator with an appropriate cartridge. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

**SKIN AND HAND PROTECTION:** For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

**EYE PROTECTION:** Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

**OTHER PROTECTIVE EQUIPMENT:** Safety showers and eye-wash stations should be available in the workplace.

**HYGIENE MEASURES:** Avoid breathing vapors and contact with the skin and eyes. Keep out the reach of children. Wash hands after use.

## SECTION 9 ● PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> . . . . .	> 180 F	<b>MELTING/FREEZING POINT:</b> . . . . .	> -126 F
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> . . . . .	0.960 g/cc	<b>WEIGHT:</b> . . . . .	8.008 lbs/gal
<b>VAPOR PRESSURE:</b> . . . . .	Not available	<b>pH:</b> . . . . .	Not available
<b>VAPOR DENSITY:</b> . . . . .	5.11 Max	<b>EVAPORATION RATE:</b> . . . . .	Not available
<b>PHYSICAL STATE:</b> . . . . .	Liquid	<b>WATER SOLUBILITY:</b> . . . . .	Complete
<b>PERCENT VOLATILE:</b> . . . . .	99% Wt (99% Vol) Max	<b>VOC CONTENT:</b> . . . . .	1.516 lbs/gal (181.618 g/L)
<b>PERCENT VOC:</b> . . . . .	22% Wt (25% Vol) Max	<b>HAP CONTENT:</b> . . . . .	0.0 lbs/gal (0.0 g/L)
<b>VISCOSITY:</b> . . . . .	Not available	<b>MIR VALUE:</b> . . . . .	0.158
<b>ODOR THRESHOLD:</b> . . . . .	28.2 ppm	<b>COEFF. OF WATER/OIL DIST.:</b> . . . . .	Not available
<b>APPEARANCE:</b> . . . . .	Clear Liquid	<b>ODOR:</b> . . . . .	Slight alcohol

## SECTION 10 ● STABILITY AND REACTIVITY

**STABILITY:** . . . . . Stable

**CONDITIONS OF INSTABILITY:** . . . . . Not available

**HAZARD POLYMERIZATION:** . . . . . Not expected to occur

**MATERIAL INCOMPATIBILITY:** . . . . . Strong oxidizers

**CONDITIONS OF REACTIVITY:** . . . . . Open flame, extreme heat

**DECOMPOSITION PRODUCTS:** . . . . . Oxide of carbon

## SECTION 11 ● TOXICOLOGICAL INFORMATION

### LD50 AND LC50 SPECIES/ROUTE INFORMATION:

INGREDIENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Water	Not available	Not available	Not available
Isopropyl Alcohol	5045 mg/kg, rat	12800 mg/kg, rabbit	46 mg/l /4hr, rat
Dipropylene Glycol Monomethyl Ether	5350 mg/kg, rat	9500 mg/kg, rabbit	Not available
Propylene Glycol	20000 mg/kg, rat	20800 mg/kg, rabbit	Not available

**IRRITANCY OF PRODUCT:** . . . . . The following ingredients are eye irritants: isopropyl alcohol.

**SENSITIZATION TO PRODUCT:** . . . . . Not available

**REPRODUCTIVE TOXICITY:** . . . . . Not available

**TERATOGENICITY:** . . . . . Not available

**MUTAGENICITY:** . . . . . Not available

**SYNERGISTIC PRODUCTS:** . . . . . Not available



# MATERIAL SAFETY DATA SHEET

## SECTION 12 ● ECOLOGICAL INFORMATION

### ECOTOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Water	Not Available	Not available	Not available	Not available
Isopropyl Alcohol	9460 mg/l /96 hr	13299 mg/l /48 hr	>1000 mg/l /72 hr	22000 mg/l /15min
Dipropylene Glycol Monomethyl Ether	10000 mg/l /96 hr	5000 mg/l /48 hr	Not available	Not available
Propylene Glycol	51600 mg/l /96 hr	34400 mg/l /48 hr	19000 mg/l /96 hr	26800 mg/l /30min

**MOBILITY:** ..... Not available

**PERSISTANCE:** ..... Not available

**DEGRADIBILITY:** ..... Not available

**BIOACCUMULATION:** ..... Not available

**OTHER ECOLOGIC DATA:** ..... Do not allow to enter waters, waste water, or soil.

**EFFECT ON OZONE LAYER:** ... This product does not contain any ozone depleting ingredients.

## SECTION 13 ● DISPOSAL CONSIDERATIONS

Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

## SECTION 14 ● TRANSPORTATION INFORMATION

### NON-REGULATED MATERIAL

ALL MODES

#### NMFC DESCRIPTION (United States)

**ITEM DESCRIPTION:** ..... Cleaning Compounds, NOI

**ITEM NUMBER:** ..... 48580 Sub 3

**CLASS:** ..... 55

## SECTION 15 ● REGULATORY INFORMATION

### UNITED STATES - FEDERAL:

INGREDIENT	CAS NUMBER	TSCA	RCRA	CERCLA	SARA 313	SARA 311/312				CAA	CWA
						[F]	[R]	[I]	[D]		
Water	7732-18-5	✓	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol	67-63-0	✓	-	-	-	✓	-	✓	✓	-	-
Dipropylene Glycol Monomethyl Ether	34590-94-8	✓	-	-	-	✓	-	-	-	-	-
Propylene Glycol	57-55-6	✓	-	-	-	-	-	-	-	-	-

[F]=FIRE • [R]=REACTIVITY • [I]=IMMEDIATE (ACUTE) • [D]=DELAYED (CHRONIC)

### UNITED STATES - STATES:

INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA
Water	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol	-	-	✓	2,4,5,6 F9	E	ANO	✓	-	✓
Dipropylene Glycol Monomethyl Ether	-	-	✓	2,4 F8	-	AO	-	-	✓
Propylene Glycol	-	-	-	-	-	I	-	-	-

### CANADA:

INGREDIENT	WHMIS CATEGORIES						CHEMICAL LISTS			
	A	B	D1B	D2A	D2B	E	DSL	NDSL	NPRI	CWC
Water	-	-	-	-	-	-	✓	-	-	-
Isopropyl Alcohol	-	B2	-	-	✓	-	✓	-	1A,5	-
Dipropylene Glycol Monomethyl Ether	-	-	-	-	-	-	✓	-	-	-
Propylene Glycol	-	-	-	-	-	-	✓	-	-	-

**WHMIS Classification:** D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**EUROPEAN UNION:**

INGREDIENT	EINECS	SYMBOL	RISK PHRASES	SAFETY PHRASES
Water	231-791-2	—	—	—
Isopropyl Alcohol	200-661-7	F, Xi	11-36-67	2-7-16-24/25-26
Dipropylene Glycol Monomethyl Ether	252-104-2	—	—	—
Propylene Glycol	200-338-0	—	—	—



**RoHS Compliance:** This product is RoHS compliant according to the definitions and restrictions given by The European Parliament (Directive 2002/95/EC) and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

**SECTION 16 • OTHER INFORMATION**

		
Canadian WHMIS Hazard Symbols	Canadian Consumer Hazard Symbols	European Hazard Symbols

**RISK PHASES (European Union):**

CODE	RISK PHRASE
36	Irritating to the eyes
67	Vapours may cause drowsiness and dizziness

**SAFETY PHASES (European Union):**

CODE	PHRASE
2	Keep out of the reach of children
7	Keep container in tightly closed
16	Keep away from sources of ignition - No smoking
24/25	Avoid contact with the skin and eyes
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**DISCLAIMER OF LIABILITY:**

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular purpose.

**REVISIONS:**

Revision 1 - 06/29/2007 Original