

**Ballistol Multi-Purpose** 

Part No. See Section 1.2 Aerosol

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SECTION	1 - IDENTIFICATION		
	roduct Identifier		
		Dellistel Multi Durmana	
Product Nam		: Ballistol Multi-Purpose	
Manufacture	er Product Number	: W5858CT, W5874CT, W5870CT, W5872CT, W5873CT	
1.2 O	ther Means Of Identification		
Other Identif	fiers	: #120069 - 6 fl. oz. #120014 - 1.5 fl. oz Inactive Product #141002 - 6 fl. oz Inactive Product #101006 - 11 fl. oz Inactive Product #150004 - 1.5 fl. oz Inactive Product	
1.3 Re	elevant Identified Uses Of The Su	bstance Or Mixture And Uses Advised Agair	nst
Recommende	ed Use	: Multi-purpose lubricant	
Restrictions (	On Use	: None Identified	
1.4 Su	upplier Details		
		Manufacturer Details	Supplier Details
Company Na	ime	: Chem-Pak Inc	Washington Trading Company, Inc BALLISTOL USA
Address		: 242 Corning Way, Martinsburg, WV 25405 - United States	500 Sand Dune Drive/ Units A & B / PO Box 900, Kitty Hawk, NC 27949 - United States
Phone Numb	ber	: 304-262-1880	252-261-6181
Fax Number		: 302-262-9643	252-261-0408
Email		: msds@chem-pak.com	
Website		: http://www.chem-pak.com	
1.5 24	4 Hr Emergency Phone Number		
Emergency N	lumber	: 800-255-3924 (Chem-Tel)	
SECTION	2 - HAZARDS IDENTIFICATI	ON	
2.1 Cl	lassification Of The Substance Or	Mixture	
Flammable A	Aerosols, Category 1	: Extremely flammable aerosol	
Gases Under	Pressure : Dissolved Gas	: Contains gas under pressure; may explode if heated	
Skin Corrosio	on/Irritation, Category 2	: Causes skin irritation	
Aspiration Ha	azard, Category 1	: May be fatal if swallowed and enters airways	
Hazardous To Hazard, Cate	•	: Harmful to aquatic life with long lasting effects	
2.2 La	abel Elements		
Hazard Picto	grams		$\wedge$
	-	GHS02 GHS04 GHS07	GH508
Signal Word		: Danger	
Hazard State	ements	: Extremely flammable aerosol. Contains gas under pre swallowed and enters airways. Causes skin irritation.	



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**Preautionary Statements** 

: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves and eye protection. If swallowed: Immediately call POISON CENTER. If on skin: Wash with plenty of water. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/container to local regulations.

#### 2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified

: None Identified.

#### 2.4 Unknown Acute Toxicity

24.18% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 39.24% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 15.06% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

### **SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

#### 3.1 Substance

Not Applicable

### 3.2 Mixture

Ingredient	Cas Number	%	Classification*
White Mineral Oil	8042-47-5	30 - 60	Asp. Tox. 1, H304
Propane	74-98-6	10 - 30	Flam. Gas 1, H220 Dissolved gas, H280
Isohexane	107-83-5	10 - 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### **SECTION 4 - FIRST-AID MEASURES**

4 1	Description Of First-Aid Measure	~	
4.1	Description of First-Ald Measure	22	
General	Measures	:	IF exposed or concerned: Get medical advice/attention.
Eye Con	tact	:	Rinse eyes with water as a precaution.
Skin Cor	ntact	:	Wash skin with plenty of water.
Ingestio	n	:	Call a poison center or a doctor if you feel unwell.
Inhalatio	on	:	Remove person to fresh air and keep comfortable for breathing.
First-Aid	Responder Protection	:	Wear adequate personal protective equipment based on the nature and severity of the emergency.
4.2	Most Important Symptoms And	Eff	ects, Both Acute And Delayed
Eye Con	tact	:	Liquid contact may cause pain along with moderate eye irritation.
Skin Cor	ntact	:	Adverse effects not anticipated.
Ingestio	n	:	Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, thorat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspriation of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.
Inhalatio	on	:	Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.



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mediate Medical Attention : k is holpmation Available.:   ECTION 5 - FIRE-FIGHTING MEASURES   and they holp a base of the product : Water, carbon dioxide, dry chemical, universal aqueous film forming form   insuitable Media : Water, carbon dioxide, dry chemical, universal aqueous film forming form   insuitable Media : Water, carbon dioxide, dry chemical, universal aqueous film forming form   carbon film Broduct : Decomposition products models of carbon, smoke, vapor   cards From The Product : Externely formable. In a file or if heated, o pressure increase will occur which may result in container busting. Vapors heavier than air may spread along the ground and travel to ignition an source.   cards From The Product : Externely formable. In a file or if heated, or pressure increase will occur which may result in container busting. Vapors heavier than air may spread along the ground and travel to ignition an source.   cards From The Product : Externely formable. In a file or if heated, or pressure increase will occur which may result in container busting. Vapors heavier than air may spread along the ground and travel to ignition an source.   card thereine Couper that Product : Externely formable. In a file or if heated, or pressure increase will face precee operated in positive greasers are more the couper and and travel to ignition and source.   card there in Porsonal Proceutions. Protective Equipment And Emergency Procedures	.3	Indication Of Immediate M	ledical Attention And Special Treatment
mediate Medical Attention : k is highmation Available.   ECTION 5 - FIRE-FIGHTING MEASURES Suitable Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming farm. Extinguishing Media : Water, jet. Specific Hazards Arising From The Chemical OV Mixture Excomposition Products : Decomposition products models on gine or file acids of arbon, smoke, vapor. : Specific Hazards From The Product : Specific Hazards From The Forduct : Specific Hazards From The Product : Stermely filmmable. In a fire or file acids of arbon, smoke, vapor. : Specific Hazards From The Product : Stermely folmmable. In a fire or file acids, a pressure increase will occur which may result in container : Decomposition Products : Extremely folmmable. In a fire or file acids, a pressure increase will occur which may result in container : Decomposition Products : Extremely folmmable. In a fire or file acids, a pressure increase will occur which may result in container : Decomposition Products : Extremely folm and twee self-contained breathing apparatus with full face-piece operated in positive result developed pressure. : Protective Actions Protective Equipment And Emergency Procedures or Non-Emergency Personnel : Non-Emergency Personnel : Non-Emergency Personnel : Non-Emergency Personnel : Non-Energency Personnel : Stermen should be token involving any personnel without suitable training. Exocute surrounding areas, kegg unnecessary and uppretected equaptive entipheratory of the sage to a dos. : Containing the forder and the sage to a dos. : Containing the forder and the sage to a dos. : Containing the forder and the fold facin scences, filtches, and	lotes To		
SECTION 5 - FIRE-FIGHTING MEASURES         5.1       Suitable Extinguishing Media       : Water, carbon diaxide, dry chemical, universal aqueous film forming form.         stagualshing Media       : Water, carbon diaxide, dry chemical, universal aqueous film forming form.         stagualshing Media       : Water, carbon diaxide, dry chemical, universal aqueous film forming form.         staguads from The Chemical Or Mixture       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Decomposition products may include: oxides of carbon, smoke, vapors.         stagards from The Product       : Use water spray to cool fire expassed acrosol containers, as contents can urguture violently from heat developed pressure.         stagards from The Product       : Water, carbon should be token involving any personnel without	pecific 1	Treatments/Antidotes	: No Information Available.
ixitinguishing Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Decomposition Products       : Sector Actors         ixituation Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Water, carbon dioxide media       : Sector Actors         ixituation Media       : Water, carbon dioxide media       : Sector Actors         ixituation Media       : Water vertifies on an invest in a anosof, ther	mmedia	ate Medical Attention	: No Information Available.
ixitinguishing Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituable Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Decomposition Products       : Sector Actors         ixituation Media       : Water, carbon dioxide, dry chemical, universal aqueous film forming foom.         ixituation Media       : Water, carbon dioxide media       : Sector Actors         ixituation Media       : Water, carbon dioxide media       : Sector Actors         ixituation Media       : Water vertifies on an invest in a anosof, ther	SECTI	ON 5 - FIRE-FIGHTING M	EASURES
Junuitable Media       : Water jet.         5.2       Specific Hazards Arising From The Chemical Or Mixture         Decomposition Products       : Decomposition products may include: oxides of carbon, smoke, vapors.         Haards From The Product       : Extremely flammable. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to ignition an source.         5.3       Special Protective Actions For Fire-Fighters         Protective Actions       : Use water sproy to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure mode.         Sector ON 6 - ACCLIDENTAL RELEASE MEASURES         S.1       Personal Precautions, Protective Equipment And Emergency Procedures         For Non-Emergency Personnel       : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entiting. Do not touch or wolk through spill. Remove ignition sources and provide adepaate venillation only if it spiel to a source and prevention.         Source Temergency Responders       : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel with indivisionent about therefore spills and leaks are unlikely. In case of rupture, released content may be containmentation.         Source Temergency Responders       : Product is an aroson, therefore spills and leaks are unlikely. In case of rupture, released content may be contained thore indinglice aborden in source diaposal. </td <td>5.1</td> <td>Suitable Extinguishing Med</td> <td>lia</td>	5.1	Suitable Extinguishing Med	lia
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Decomposition Products       : Decomposition products may include: oxides of carbon, smoke, vapors.         Hazards From The Product       : Extremely flammable. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than on imos spread along the round and travel to ignition an source.         5.3       Special Protective Actions For Fire-Fighters         Protective Actions       : Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.         Protective Equipment       : Firement should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.         SECTION 6 - ACCCIDENTAL RELEASE MEASURES       Externely flammable.         Son On-Emergency Personnel       : No action should be taken involving any personal without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel without suitable training. Evacuate surrounding areas. Keep unal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.         For Emergency Responders       : Weep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental above.         For Sa Methods And Materials For Containment And Cleaning Up       Sand waterways. Minimize use of water to prevent environmental containing with information.         Forlerup Procedures       : Splits from aerosol cons are unilkely. In case of rupture, released content may be containid with	Unsuitab	ble Media	: Water jet.
Hazards From The Product       Extremely flammable. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than oir may spread along the ground and travel to ignition an source.         5.3       Special Protective Actions For Fire-Fighters         Protective Actions       : Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.         Protective Equipment       : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.         SECTION 6 - ACCIDENTAL RELEASE INTERS       Externery presonnel       : No action should be token involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel form entering. De not wolk through spill. Remove ignition sources and provide adeque ventilation on yi it is sofe to do so.         For Emergency Responders       : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.         5.3       Methods And Materials For Containment And Cleaning UP         Containment Procedures       : Poduct is an aerosol, therefore spills and lecks are unlikely and are generally of small vapors and ventral adoree in sofety containder with huits water any should be tower any spiration and section as of unarrerial with hiert absorbent pads, socks, and/or abuschaithe areo well Remove sources of finito and section approxing equipment. Sok up material with inet absorbent and place in sofety containders for organ adversion adversion and ventor approxing equipment. Sok up material with inet absorbent and place in sofety contadi	5.2	Specific Hazards Arising Fro	om The Chemical Or Mixture
5.3       Special Protective Actions For Fire-Fighters         Protective Actions       : Use water spray to cool fire exposed aerosol containers, as contents can rupture wielently from heat developed pressure.         Protective Equipment       : I use water spray to cool fire exposed aerosol containers, as contents can rupture wielently from heat developed pressure.         SectION 6 - ACCIDENTAL RELEASE MEASURES       : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.         SectION 6 - ACCIDENTAL RELEASE MEASURES       : No action should be token involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove lipition source and provide adquate ventilation only if it is safe to do so.         Sec Environmental Precautions       : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental containmination.         S.3       Methods And Materials For Containment And Cleaning Up         Containment Procedures       : Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with all/solvent absorbent pack, socks, and/or absorbents.         Cleanup Procedures       : Spills from aerosol cans are unlikely and can objer aburde. Loar of problem. Containment and can rupidy. Area should be eventibed in medicately and contraining vapors and wellide area well, demous sources of approtenced ubereacting vapors and ventilate area well. Spills from ae	Decomp	osition Products	: Decomposition products may include: oxides of carbon, smoke, vapors.
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Precautions       : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.         6.3       Methods And Materials For Containment And Cleaning Up         Containment Procedures       : Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.         Cleanup Procedures       : Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in sofety containers for proper disposal.         Other Information       : Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.         Prohibited Materials       : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.         SECTION 7 - HANDLING AND STORAGE	6.1	Personal Precautions, Prote	ective Equipment And Emergency Procedures : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill.
6.3       Methods And Materials For Containment And Cleaning Up         Containment Procedures       : Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.         Cleanup Procedures       : Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.         Other Information       : Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.         Prohibited Materials       : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.	6.1 For Non-	Personal Precautions, Prote Emergency Personnel	<ul> <li>ective Equipment And Emergency Procedures</li> <li>No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.</li> <li>Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency</li> </ul>
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### **General Handling Precautions**

: KEEP OUT OF THE REACH OF CHILDREN. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.



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**Hygiene Recommendations** 

: Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating or smoking areas. Wash hands thoroughly after use.

### 7.2 Conditions For Safe Storage Including Any Incompatibilities

 

 Storage Requirements
 : Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.

 Incompatibilities
 : Segregate storage away from materials indicated in Section 10.

 NFPA 30B Classification
 : This product is classified as a Level 3 Aerosol per NFPA 30B.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

Isohexane (107-83-5)			
ACGIH	ACGIH TWA (ppm)	500 ppm	
ACGIH	ACGIH STEL (ppm)	1000 ppm	
OSHA	OSHA PEL (TWA) (ppm)	500 ppm	
NIOSH	US IDLH (ppm)	1100 ppm	
NIOSH	NIOSH REL (TWA) (ppm)	50 ppm	
White Mineral Oil (804	12-47-5)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ Oil Mist	
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ Oil Mist	
NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³ Oil Mist	
NIOSH	NIOSH REL (STEL) (mg/m³)	10 mg/m³ Oil Mist	
California	California PEL (TWA) (mg/m3)	5 mg/m³	
Propane (74-98-6)			
OSHA	OSHA PEL (TWA) (mg/m³)	1800 mg/m³	
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm	
NIOSH	US IDLH (ppm)	2100 ppm	
NIOSH	NIOSH REL (TWA) (mg/m³)	1800 mg/m³	
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm	
California	California PEL (TWA) (mg/m3)	1800 mg/m³	
California	California PEL (TWA) (ppm)	1000 ppm	

#### 8.2 Exposure Controls

Engineering Measures	: Use only with adequate ventilation. 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 OEL from the table above.
Respiratory Protection	: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.
Skin 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/Face Protection	: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling.
Other Protective Equipment	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**



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9.1 Physical Properties	S		
Boiling Point	> 51.70 °C	Melting / Freezing Point	Not Available
Flash Point, Liquid	> -32.20 ℃	Flash Point, Propellant	-104.40 °C
Explosive Limits	LEL: 0.00 UEL: 7.00 vol %	Autoignition Temperature, Liquid	200.00 °C
Flammability	Extremely Flammable Aerosol	Density	0.773 g/cm³
Molecular Weight	Not Available	Weight	6.451 lbs/gal
Vapor Pressure	Not Available	рН	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAc=1)	Not Available
Viscosity	Not Available	Partition Coefficient	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical Form	Pressurized Product	Heat Of Combustion	Not Available
Odor	Characteristic	Water Solubility	Not Available
Appearance / Color	Clear to yellowish liquid	Decomposition Temperature	Not Available
9.2 Environmental Pro	perties		
Percent Volatile	24.88 % wt	VOC Regulatory	193.15 g/L (1.61 lbs/gal)
Percent VOC	24.88 % wt	VOC Actual	192.28 g/L (1.60 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.41 GWP	Maximum Incremental Reactivity	0.2630 g O3/g
Ozone Depletion Potential	0.00 ODP		

## **SECTION 10 - STABILITY AND REACTIVITY**

10.1	Reactivity	
Reactivit	у	: No specific test data related to reactivity is available for this products or its ingredients.
10.2	Chemical Stability	
Stability		: This product is stable.
10.3	Possibility Of Hazardous Reaction	ns
Reaction	S	: Under normal conditions of storage and use, hazardous reactions are not expected to occur.
10.4	Conditions To Avoid	
Conditio	ns	: Heat, Flames, Sparks.
10.5	Incompatible Materials	
Incompa	tibilities	: Strong Oxidizing Agents, Hydrogen Peroxide, Perchloric Acid.
10.6	Hazardous Decomposition Produ	icts
Products		: None identified.

## SECTION 11 - TOXICOLOGICAL INFORMATION

11.1.1 Information On Toxicological Effects			
Isohexane (107-83-5)			
LC50 Inhalation (Rat)	> 3125 (Chevron Phillips SDS)		
White Mineral Oil (8042-47-5)			
LD50 Oral (Rat)	> 5000 mg/kg bodyweight (ChemInfo)		
LD50 Dermal (Rabbit)	> 2000 mg/kg bodyweight (ChemInfo)		
LC50 Inhalation (Rat) > 5 mg/l/4h (Lit.)			
Propane (74-98-6)			
LC50 Inhalation (Rat)	658 mg/l/4h (Lit.)		



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11.1.2 Health Hazard Classification	
Skin Corrosion/Irritation	: Causes skin irritation.
Eye Damage/Irritation	: Not classified
Respiratory Or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
Stot-Single Exposure	: Not classified
Stot-Repeated Exposure	: Not classified
Aspiration Hazard	: May be fatal if swallowed and enters airways.
Carcinogen Data	: None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.
11.1.3 Information On The Likely Rou	tes Of Exposure
Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.
11.1.4 Symptoms Related To The Phy	sical, Chemical And Toxicological Characteristics
Symptoms of Exposure	: Eye Irritation, Nose Irritation, Throat Irritation, Liver Damage, Kidney Damage, Dermatitis, Confusion, Skin Irritation, Headache, Dizziness.
11.1.5 Delayed And Immediate Effect	s And Also Chronic Effects From Short And Long Term Exposure
Delayed Effects	: No known delayed effects.
Immediate Effects	: Aspiration hazard.
Chronic Effects	: No chronic effects identified.
Target Organs	: Central Nervous System, Eyes, Liver, Respiratory System, Skin, Kidneys.

: None identified.

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

Medical Conditions Aggravated

Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

White Mineral Oil (8042-47-5)		
LC50 fish 1	> 100 mg/l Rainbow Trout - 96hr	
EC50 Daphnia 1	> 100 mg/l Water Flea - 48hr	

### 12.2 Ecological Properties

Isohexane (107-83-5)	
BCF fish 1	356 (BCF)
Log Pow	3.74 (Estimated value)
Bioaccumulative potential	Bioaccumable.
White Mineral Oil (8042-47-5)	
Persistence and degradability	Biodegradability 24% / 28 days.
Log Pow	> 6 (Calculated)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
Propane (74-98-6)	
Persistence and degradability	Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.
BCF fish 1	9 - 25 (BCF)
Log Pow	2.28 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).



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## SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Wast	te Treatment Methods	
Waste Disposal		: Characteristics and waste stream classification can change with product use and location. 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 must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
Waste Disposal Of Packaging		: In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.
Landfill Precaution	ons	: Not Available.
Incineration Precautions		: ** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.

## **SECTION 14 - TRANSPORTATION INFORMATION**

Transportation Information	Ground Transportation (DOT)	Air Transportation (IATA)	Ocean Transportation (IMDG)
Identification Number	UN1950	UN1950	UN1950
Proper Shipping Name	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity
Hazard Class(es)	2.1	2.1	2.1
Packaging Group	None	None	None
Limited Quantity	Yes	Yes	Yes
Marine Pollutant	No	No	No
Hazard Labels		2.1 - Flammable gas	

## **SECTION 15 - REGULATORY INFORMATION**

15.1 Federal Regulations		
TSCA Inventory	: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:	
SARA 313 Reporting	: This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.	
Applicable Federal Regulations	: To the best of our knowledge none of the ingredients appear in any applicable Federal regulation.	
15.2 State Regulations		
California Proposition 65	: This product does not contain any substance known to the State of California to cause cancer, developmental and/or reproductive harm.	
State Right-to-Know Lists	: The following ingredients appear on one or more state Right-to-Know lists.  Isohexane (107-83-5) U.S New Jersey - Right to Know Hazardous Substance List	
	Propane (74-98-6)	



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## **SECTION 16 - OTHER INFORMATION**

## SDS Compliance

: This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at msds@chem-pak.com. OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

**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 use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist

#### Full text of H-statements

H Code	H Phrase	
H220	Extremely flammable gas	
H222	Extremely flammable aerosol	
H225	Highly flammable liquid and vapour	
H280	Contains gas under pressure; may explode if heated	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H336	May cause drowsiness or dizziness	
H411	Toxic to aquatic life with long lasting effects	
H412	Harmful to aquatic life with long lasting effects	