Part No. P5718CT (Aerosol)

Print Date: 10/19/2018 Revision Date: 10/19/2018 Supersedes Date: 5/10/2018 Issue Date: 4/27/2006 Version: 9.0 (EN)-US Page: 1/9

Hoppe's 9 Blast & Shine Firearm Action Grease

Remover

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1.1 Product	Idontifier						
	Identifier						
			Hoppe's 9 Blast & Shine Firearm Action Grease Remover				
			: P5718CT				
Supplier Product Nur	nbers	:	CD1				
1.2 Other M	leans of Id	entification					
Other Identifiers		:	Not Applicable				
1.3 Relevant	t Identifie	d Uses of the Sub	stance or Mixtu	re and Uses Advi	ised Against		
Recommended Use			Solvent used on fire	earms.			
Restrictions on Use		:	None Identified				
1.4 Supplier	Details						
			Ma	nufacturer Details		Supplier Details	
Company Name		:				Bushnell Holdings Inc.	
Address		:				22101 West 167th St., Olathe, KS 66062 - United States	
Phone Number		:				1-800-423-3537	
Fax Number		:					
Email		:				dangerous.goods@vistaoutdoor.com	
Website		:					
1.5 24 hr Em	nergency P						
Emergency Number		hone Number :				ngerous Goods Transportation Emergency ONLY) 03-527-3887 (Outside US) - (CHEMTREC, Day or	
ECTION 2 - HA	ZARDS I	DENTIFICATIO	Emergency number Night)				
ECTION 2 - HA 2.1 Classifica	ZARDS I	DENTIFICATIO	Emergency number Night) N 1ixture	r: 1-800-424-9300 (I	Inside US), 01-70		
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2	ZARDS II ation of th H223	: DENTIFICATIO e Substance or N Physical Hazards	Emergency number Night) N 1ixture	r: 1-800-424-9300 (l ammable aerosol Cat	Inside US), 01-70 egory 2		
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.)	ZARDS II ation of th H223 H280	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards	Emergency number Night) N 1ixture Flo	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C	Inside US), 01-70 egory 2 Compressed gas	03-527-3887 (Outside US) - (CHEMTREC, Day or	
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2	ZARDS II ation of th H223 H280 H319	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N Nixture Fla Ga Se	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey	egory 2 Compressed gas re irritation Cate	D3-527-3887 (Outside US) - (CHEMTREC, Day or	
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2.1ClassificaFlam. Aerosol 2Press. Gas (Comp.)Eye Irrit. 2Stot Se 32.2Label Ele	ZARDS II ation of th H223 H280 H319 H336	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N Nixture Fla Ga Se	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey	egory 2 Compressed gas re irritation Cate	D3-527-3887 (Outside US) - (CHEMTREC, Day or	
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ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele Hazard Pictograms	ZARDS II ation of th H223 H280 H319 H336	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N Mixture Fla Ga Se Sp	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey pecific target organ to	egory 2 Compressed gas re irritation Cate exicity (single ex,	D3-527-3887 (Outside US) - (CHEMTREC, Day or	
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele Hazard Pictograms Signal Word	ZARDS II ation of th H223 H280 H319 H336	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N N N N N N N N N N N N N N N N N N N	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rrious eye damage/ey recific target organ to GHS04	egory 2 Compressed gas re irritation Cate exicity (single ex GHS07	23-527-3887 (Outside US) - (CHEMTREC, Day or egory 2 posure) Category 3, Narcosis	
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele Hazard Pictograms	ZARDS II ation of th H223 H280 H319 H336	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N N N N N N N N N N N N N N N N N N N	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey recific target organ to GHS04 : Flammable aer : Contains gas un	egory 2 Compressed gas re irritation Cate exicity (single exp GHS07	D3-527-3887 (Outside US) - (CHEMTREC, Day or	
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele Hazard Pictograms	ZARDS II ation of th H223 H280 H319 H336	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N N N N N N N N N N N N Set Sp G G G G G G G G G G G G G G G G G G	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey recific target organ to GH504 : Flammable aer : Contains gas un : Causes serious	egory 2 Compressed gas the irritation Cate the compressed gas the irritation Cate the compression of the compression GHS07	03-527-3887 (Outside US) - (CHEMTREC, Day or egory 2 posure) Category 3, Narcosis	
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele Hazard Pictograms	ZARDS II ation of th H223 H280 H319 H336	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N N N N N N N N N N N N N N N N N N N	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey recific target organ to GHS04 : Flammable aer : Contains gas un	egory 2 Compressed gas the irritation Cate the compressed gas the irritation Cate the compression of the compression GHS07	03-527-3887 (Outside US) - (CHEMTREC, Day or egory 2 posure) Category 3, Narcosis	
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ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele Hazard Pictograms Signal Word Hazard Statements	ZARDS II ation of th H223 H280 H319 H336 ements	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N Mixture File Ga Se Sp Varning H223 H280 H319 H336 P210	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey pecific target organ to GH504 : Flammable aer : Contains gas u : Causes serious : May cause drow : Keep away fror No smoking.	egory 2 Compressed gas re irritation Cate oxicity (single ex, GHS07 Cosol nder pressure; n eye irritation wsiness or dizzir n heat, hot surfa	23-527-3887 (Outside US) - (CHEMTREC, Day or rgory 2 posure) Category 3, Narcosis nay explode if heated ness aces, sparks, open flames and other ignition source	
ECTION 2 - HA 2.1 Classifica Flam. Aerosol 2 Press. Gas (Comp.) Eye Irrit. 2 Stot Se 3 2.2 Label Ele	ZARDS II ation of th H223 H280 H319 H336 ements	: DENTIFICATIO e Substance or N Physical Hazards Physical Hazards Health Hazards	Emergency number Night) N Mixture Fla Ga Se Sp Varning H223 H280 H319 H336	r: 1-800-424-9300 (I ammable aerosol Cat ases under pressure C rious eye damage/ey pecific target organ to GH504 : Flammable aer : Contains gas u : Causes serious : May cause drow : Keep away fror No smoking. : Do not spray or	egory 2 Compressed gas re irritation Cate pixicity (single exp (single exp <i>GHS07</i> cosol nder pressure; n eye irritation wsiness or dizzir n heat, hot surfa n an open flame	D3-527-3887 (Outside US) - (CHEMTREC, Day or egory 2 posure) Category 3, Narcosis	

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P264	: Wash hands thoroughly after handling.
P271	: Use only outdoors or in a well-ventilated area.
P280	: Wear protective gloves and eye protection .
P304+P340	: If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338	: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	: Call physician if you feel unwell
P337+P313	: If eye irritation persists: Get medical advice/attention.
P403	: Store in a well-ventilated place.
P410+P412	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	: Dispose of contents/container to local regulations

Hazards Not Otherwise Classified

: None Identified.

Unknown acute toxicity 2.4

3% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

3% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

3% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture

: Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification	
Acetone	67-64-1	>= 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	
Methyl Acetate	79-20-9	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	
Methyl Ethyl Ketone	78-93-3	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	
Carbon Dioxide	124-38-9	1 - 5	Press. Gas (Comp.), H280	
Full text of hazard classes and H-statements : see section 16	*Chemical name,	, CAS number and,	/or exact concentration have been withheld as a trade secret	

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-Aid M	N easures
General Measures	: Call a poison center or a doctor if you feel unwell.
Inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.
Skin Contact	: Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing Wash skin with plenty of water.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: Do not induce vomiting! Immediatley have the victim drink plenty of water. Do not give milk or digestible oils Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing. Call a poison center or a doctor if you feel unwell.
First-Aid Responder Protection	: Wear adequate personal protective equipment based on the nature and severity of the emergency.

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Symptoms of Exposure	· Eva Irritation Nora Irritation Throat Irritation Darmatitic Control Nervous Sustam Darrassics. Stir				
Symptoms of Exposure	: Eye Irritation, Nose Irritation, Throat Irritation, Dermatitis, Central Nervous System Depression, Skin Irritation, Headache, Dizziness, Drowsiness, Vomiting, Optical Nerve Damage, Chest Tightness.				
elayed Effects	: No known delayed effects.				
nmediate Effects	: Asphyxia.				
hronic Effects	: Because of defatting properties, repeated skin contact can cause skin damage such as chap, dermatitis, inflammation and the formation of eczema.				
arget Organs	: Cardiovascular System, Central Nervous System, Eyes, Respiratory System, Skin.				
	Medical Attention and Special Treatment				
otes to Physician	: Treat symptomatically.				
pecific Treatments/Antidotes	: No Information Available.				
Aedical Conditions Aggravated	: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.				
ECTION 5 - FIRE-FIGHTING N	1EASURES				
5.1 Suitable Extinguishing M	edia				
xtinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.				
Jnsuitable Media	: Water jet.				
5.2 Specific Hazards Arising f	rom the Chemical or Mixture				
lazardous Combustion Products	: Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.				
Specific Hazards During Firefighting	: Flammable. Contents under pressure. In a fire or if heated, a pressure increase will occur which may result container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.				
5.3 Special Protective Action	s for Fire-Fighters				
inofighting Instructions	. Use water serve to goal fire expected acrossed containers, as contents can runture violantly from heat				
Fireignung instructions	: Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.				
Firefighting Instructions Protection during Firefighting	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure				
	developed pressure.				
Protection during Firefighting	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.				
Protection during Firefighting	developed pressure. Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 6.1 Personal Precautions, Pro	developed pressure. Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES Detective Equipment and Emergency Procedures				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 6.1 Personal Precautions, Pro	developed pressure. Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES Detective 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. Remove				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 5.1 Personal Precautions, Pro For Non-Emergency Personnel	 developed pressure. Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES Detective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. 				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 5.1 Personal Precautions, Pro For Non-Emergency Personnel For Emergency Personnel	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES Detective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. : Use personal protection as recommended in Section 8.				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 6.1 Personal Precautions, Pro For Non-Emergency Personnel For Emergency Personnel 6.2 Environmental Precautio	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES btective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. : Use personal protection as recommended in Section 8.				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 5.1 Personal Precautions, Pro For Non-Emergency Personnel For Emergency Personnel 5.2 Environmental Precautio	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES btective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. : Use personal protection as recommended in Section 8.				
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Protection during Firefighting ECTION 6 - ACCIDENTAL REL 6.1 Personal Precautions, Pro For Non-Emergency Personnel For Emergency Personnel 6.2 Environmental Precaution Environmental Precautions 6.3 Methods and Materials f	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES btective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. : Use personal protection as recommended in Section 8. ns : : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. or Containment and Cleaning up : : Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 6.1 Personal Precautions, Pro For Non-Emergency Personnel For Emergency Personnel 6.2 Environmental Precautions Environmental Precautions 6.3 Methods and Materials f Containment Procedures	developed pressure. : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES btective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. : Use personal protection as recommended in Section 8. ns : : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. or Containment and Cleaning up				
Protection during Firefighting ECTION 6 - ACCIDENTAL REL 6.1 Personal Precautions, Pro For Non-Emergency Personnel For Emergency Personnel 6.2 Environmental Precaution Environmental Precautions	developed pressure. : : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. EASE MEASURES Detective 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. Remove ignition sources and provide adequate ventilation only if it is safe to do so. : Use personal protection as recommended in Section 8. ns : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. or Containment and Cleaning up : 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. : Spills from aerosol cans are unlikely and re 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				

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SECTION 7 - HANDLING AND STORAGE			
7.1 Precautions for Safe Han	Idling		
General Handling Precautions	: KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. 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.		
Hygiene Recommendations	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.		
7.2 Conditions for Safe Stora	age 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 2 Aerosol per NFPA 30B		

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Carbon Dioxide (124-38-9	9)	
ACGIH	ACGIH TWA (mg/m³)	5000 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	30000 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	9000 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	5000 ppm
NIOSH	US IDLH (ppm)	40000 ppm
NIOSH	NIOSH REL (TWA) (ppm)	5000 ppm
NIOSH	NIOSH REL (STEL) (ppm)	30000 ppm
California	California PEL (TWA) (mg/m3)	9000 mg/m ³
California	California PEL (TWA) (ppm)	5000 ppm
California	California PEL (STEL) (mg/m3)	54000 mg/m ³
California	California PEL (STEL) (ppm)	30000 ppm
Methyl Acetate (79-20-9)		
ACGIH	ACGIH TWA (mg/m³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	250 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	610 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	US IDLH (ppm)	3100 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	610 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
NIOSH	NIOSH REL (STEL) (mg/m³)	760 mg/m³
NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
California	California PEL (TWA) (mg/m3)	610 mg/m³
California	California PEL (TWA) (ppm)	200 ppm
California	California PEL (STEL) (mg/m3)	760 mg/m³
California	California PEL (STEL) (ppm)	250 ppm
Acetone (67-64-1)		
ACGIH	ACGIH TWA (mg/m³)	250 ppm
ACGIH	ACGIH Ceiling (mg/m³)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm
California	California PEL (TWA) (mg/m3)	1200 mg/m³
California	California PEL (TWA) (ppm)	500 ppm
California	California PEL (STEL) (mg/m3)	1780 mg/m ³
California	California PEL (STEL) (ppm)	750 ppm
California	California PEL (Ceiling) (ppm)	3000 ppm

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	Anthere in union End of shift (No)	25	
Biological Exposure Index	Acetone in urine, End of shift (Ns)	25 mg/l	
Methyl Ethyl Ketone (78-93-3)			
ACGIH	ACGIH TWA (mg/m³)	200 ppm	
ACGIH	ACGIH Ceiling (mg/m³)	300 ppm	
OSHA	OSHA PEL (TWA) (mg/m ³) 590 mg/m ³		
OSHA	OSHA PEL (TWA) (ppm) 200 ppm		
NIOSH	US IDLH (ppm) 3000 ppm		
NIOSH	NIOSH REL (TWA) (mg/m ³) 590 mg/m ³		
NIOSH	NIOSH REL (TWA) (ppm)	200 ppm	
California	California PEL (TWA) (mg/m3)	590 mg/m³	
California	California PEL (TWA) (ppm)	200 ppm	
California	California PEL (STEL) (mg/m3)	885 mg/m³	
California	California PEL (STEL) (ppm)	300 ppm	
Biological Exposure Index	MEK in Urine, End of shift	2 mg/l	
Engineering Measures	: Use only with adequate ventilation. General ventilation Ventilation rates should be matched to conditions. Loca		
	may be necessary to control air contamination below th	5,	
Personal Protective Equipment	may be necessary to control air contamination below th	5,	
Personal Protective Equipment Eye / Face Protection	may be necessary to control air contamination below th : Safety glasses with side shields are recommended as a r Where eye contact with this material could occur, chem	hat of the lowest OEL from the table above.	
	: Safety glasses with side shields are recommended as a r	hat of the lowest OEL from the table above. minimum for any type of industrial chemical handling. nical splash proof goggles are recommended.	
Eye / Face Protection	: Safety glasses with side shields are recommended as a r Where eye contact with this material could occur, chem	hat of the lowest OEL from the table above. minimum for any type of industrial chemical handling. nical splash proof goggles are recommended. 103 - 17.	
Eye / Face Protection Hand Protection	 Safety glasses with side shields are recommended as a r Where eye contact with this material could occur, chem Chemical-resistant gloves, tested according to ASTM F9 Choose gloves to protect hands against chemicals dependent 	hat of the lowest OEL from the table above. minimum for any type of industrial chemical handling. nical splash proof goggles are recommended. 203 - 17. nding on the concentration and quantity of the -covering clothing should be needed. When prolonged	
Eye / Face Protection Hand Protection Remarks	 Safety glasses with side shields are recommended as a r Where eye contact with this material could occur, chem Chemical-resistant gloves, tested according to ASTM F9 Choose gloves to protect hands against chemicals dependent of the place of work. For brief contact, no precautions other than clean body- 	hat of the lowest OEL from the table above. minimum for any type of industrial chemical handling. nical splash proof goggles are recommended. 203 - 17. nding on the concentration and quantity of the -covering clothing should be needed. When prolonged	
Eye / Face Protection Hand Protection Remarks Skin and Body Protection	 Safety glasses with side shields are recommended as a r Where eye contact with this material could occur, chem Chemical-resistant gloves, tested according to ASTM F9 Choose gloves to protect hands against chemicals dependent of the place of work. For brief contact, no precautions other than clean body- or repeated contact could occur, use protective clothing 	hat of the lowest OEL from the table above. minimum for any type of industrial chemical handling nical splash proof goggles are recommended. 203 - 17. nding on the concentration and quantity of the -covering clothing should be needed. When prolonged g impervious to the ingredients listed in Section 2.	
Eye / Face Protection Hand Protection Remarks Skin and Body Protection Respiratory Protection	 Safety glasses with side shields are recommended as a r Where eye contact with this material could occur, chem Chemical-resistant gloves, tested according to ASTM F9 Choose gloves to protect hands against chemicals dependent of the place of work. For brief contact, no precautions other than clean body- or repeated contact could occur, use protective clothing Respiratory protection is not anticipated to be needed. 	hat of the lowest OEL from the table above. minimum for any type of industrial chemical handling. nical splash proof goggles are recommended. 203 - 17. nding on the concentration and quantity of the r-covering clothing should be needed. When prolonged g impervious to the ingredients listed in Section 2. 0.134 is necessary.	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties				
Boiling Point	> 55.60 °C	Melting / Freezing Point	> -98.00 °C	
Flash Point, Liquid	> -17.20 °C	Flash Point, Propellant	0.00 °C	
Explosive Limits	LEL: 1.80 UEL: 16.00 vol %	Autoignition Temperature, Liquid	454.00 °C	
Flammability	Flammable Aerosol	Density	0.819 g/cm³	
Molecular Weight	Not Available	Weight	6.835 lbs/gal	
Vapor Pressure	Not Available	рН	Not Available	
Vapor Density	Not Available	Evaporation Rate (nBAc=1)	Not Available	
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available	
Odor Threshold	Not Available	Refractive Index	Not Available	
Physical State	Pressurized Product	Heat Of Combustion	11532.67 BTU/lb	
Appearance / Color	Colorless	Water Solubility	Not Available	
Odor	Slight	Decomposition Temperature	Not Available	
9.2 Environmental Properties				
Percent Volatile	97.00 % wt	VOC Regulatory	595.89 g/L (4.97 lbs/gal)	
Percent VOC	8.00 % wt	VOC Actual	65.52 g/L (0.55 lbs/gal)	
Percent HAP	8.00 % wt	HAP Content	65.52 g/L (0.55 lbs/gal)	
Global Warming Potential	0.40 GWP	Maximum Incremental Reactivity	0.4480 g O3/g	

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Ozone Depletion Potential 0.00 ODP **SECTION 10 - STABILITY AND REACTIVITY** 10.1 Reactivity Reactivity : No specific test data related to reactivity is available for this products or its ingredients. **Chemical Stability** 10.2 **Chemical Stability** : This product is stable. 10.3 **Possibility of Hazardous Reactions Hazardous Reactions** : Under normal conditions of storage and use, hazardous reactions are not expected to occur. **Conditions to Avoid** 10.4 **Conditions to Avoid** : Electrostatic Discharge, Other Ignition Sources, Hot Surfaces, Heat, Flames, Sparks. **Incompatible Materials** 10.5 Materials to Avoid : Strong Oxidizing Agents, Strong Reducing Agents, Strong Acids, Potassium t-Butoxide, Hydrogen Peroxide. 10.6 **Hazardous Decomposition Products** Thermal Decomposition : Oxides of carbon, Aldehydes, Formaldehyde, Methanol, Acetic Acid. **SECTION 11 - TOXICOLOGICAL INFORMATION** 11.1 Information on Toxicological Effects Methyl Acetate (CAS: 79-20-9 / EC: 201-185-2) 6970 mg/kg (Lit.) LD50 Oral (Rat) LD50 Dermal (Rabbit) > 5000 mg/kg (RTECS) LC50 Inhalation (Rat) > 49.28 mg/l/4h (External SDS) LC50 Inhalation (Rat) 16000 - 32000 (ChemInfo) Acetone (CAS: 67-64-1 / EC: 200-662-2) LD50 Oral (Rat) 5800 mg/kg (Sigma-Aldrich) LD50 Dermal (Rabbit) 20000 mg/kg (IUCLID) LC50 Inhalation (Rat) 76 mg/l/4h (GESTIS Substance Database) Methyl Ethyl Ketone (CAS: 78-93-3 / EC: 201-159-0) 2737 mg/kg (Sigma-Aldrich) LD50 Oral (Rat) LD50 Dermal (Rabbit) 6480 mg/kg (RTECS) LC50 Inhalation (Rat) 205 mg/l/4h (ChemInfo) LC50 Inhalation (Rat) 30200 ppm/4h (ChemInfo) **Routes Of Exposure** : Eye Contact, Ingestion, Skin Contact, Inhalation. Delayed and Immediate Effects and Also Chronic : See Section 4.2 Effects from Short and Long Term Exposure Skin Corrosion/Irritation : Not classified Eye Damage/Irritation : Causes serious eye irritation. **Respiratory or Skin Sensitization** : Not classified Germ Cell Mutagenicity : Not classified **Reproductive Toxicity** : Not classified **STOT-Single Exposure** : May cause drowsiness or dizziness. STOT-Repeated Exposure : Not classified **Aspiration Hazard** : Not classified Vaporizer : Aerosol **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.

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ECTION 12 - ECOLOGICAL INFORMATION						
12.1 Ecotoxicity and Ecological Properties						
Carbon Dioxide (124-38-9)						
Log Pow	0.83					
Methyl Acetate (79-20-9)						
LC50 Fish	250 - 350 mg/l Zebra Fish - 96hr					
EC50 Daphnia	1026.7 mg/l Water Flea - 48hr					
EC50 Other Aquatic Organisms	> 120 mg/l Green Algae - 72hr					
EC50 Other Aquatic Organisms	6100 mg/l Bacteria - 30min					
Persistence and Degradibility	Readily biodegradable in water. Inherently biodegradable. Highly mobile in soil.					
Chemical Oxygen Demand	1511.8 mg/g					
Theoretical Oxygen Demand	1510 mg/g					
Biodegration	70 % 28 Days					
BCF Fish	< 1 (BCF)					
Log Pow	0.18					
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).					
Log Koc	0.68					
Acetone (67-64-1)						
LC50 Fish	5540 mg/l Rainbow Trout - 96hr					
LC50 Fish	8300 mg/l Bluegill Sunfish - 96h					
EC50 Daphnia	8800 mg/l Water Flea - 48hr					
Persistence and Degradibility	Biodegradability 90% / 28 days.					
Biochemical Oxygen Demand	1.43 g O ₂ /g substance					
Chemical Oxygen Demand	$1.92 \text{ g} O_2/\text{g}$ substance					
Theoretical Oxygen Demand	2.2 g O₂/g substance					
BCF Fish	0.69					
BCF Other Aquatic Organisms	3					
Log Pow	-0.24					
Methyl Ethyl Ketone (78-93-3)						
LC50 Fish	3130 - 3320 mg/l Fathead Minnow - 96h					
EC50 Daphnia	7060 mg/l Water Flea - 24hr					
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions.					
Biochemical Oxygen Demand	2.03 g O₂/g substance					
Chemical Oxygen Demand	2.31 g O ₂ /g substance					
Theoretical Oxygen Demand	2.44 g O ₂ /g substance					
Log Pow	0.3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 40 °C)					
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).					
Log Koc	Koc,34; Calculated value					

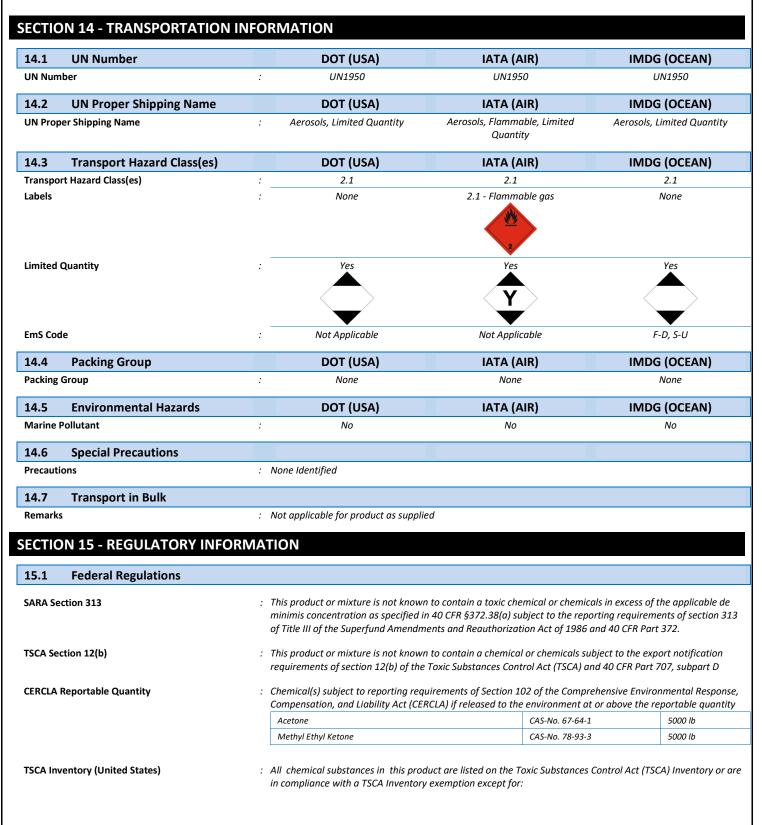
SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste 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. 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. 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 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 Precautions	: Not Available.
Incineration Precautions	: ** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.

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15.2 State Regulations				
California Proposition 65	: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm			
State Right-to-Know Lists	: The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated			
	Carbon Dioxide (124-38-9)	U.S New Jersey - Right to Know Hazardous Substance List		
	Methyl Acetate (79-20-9)	U.S New Jersey - Right to Know Hazardous Substance List		
	Acetone (67-64-1)	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List		
	Methyl Ethyl Ketone (78-93-3)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List		

SECTION 16 - OTHER INFORMATION

Indication of changes	:	Section	Changed item	Change
		1	Supersedes	Modified
		1	Change to Supplier Details	Modified
		1	Revision date	Modified
Full Text of H-Statements	:	H Code	H Phrase	
		H225	Highly flammable liquid and vapour	
		H280	Contains gas under pressure; may explode if heated	
		H319	Causes serious eye irritation	
		H336	May cause drowsiness or dizziness	

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