SAFETY DATA SHEET

Hackney Freeway Lube

SECTION 1 - IDENTIFICATION

24 hr Emergency Phone Number
800-255-3924
(Chem-Tel)

Product Identifier

Product Number(s)	*H0152CT*
Product Name	*Hackney Freeway Lube*
Other Means of Identification	*None*

Recommended Use and Restrictions on Use

Recommended Use	*Lubricant*
Restrictions on Use	*None Identified*

MANUFACTURER DETAILS		SUPPLIER DETAILS	
Name	*Chem-Pak, Inc.*	**Name**	*VT Hackney Inc*
Address	*242 Corning Way* *Martinsburg WV 25405*	**Address**	*PO Box 880* *Washington NC 27889-0880*
Phone Number	*800-336-9828*	**Phone Number**	*252-946-6521*
Fax Number	*304-262-9643*	**Fax Number**	*252-975-8368*

SECTION 2 - IDENTIFICATION

Hazard Classification

HEALTH HAZARDS				PHYSICAL HAZARDS					
Acute Tox. Oral		Mutagenicity		Unstable Explosive		Refrigerated Liq. Gas		Pyrophoric Solid	
Acute Tox. Skin		Carcinogenicity		Explosive		Flammable Liquid		Emits Flammable Gas	
Acute Tox. Inhalation		Tox. to Reproduction		Flammable Gas		Flammable Solid		Oxidizing Liquid	
Skin Irritation		STOT SE		Aerosol	1	Self-Reactive Sub.		Oxidizing Solid	
Eye Irritation		STOT RE		Oxidizing Gas		Pyrophoric Liquid		Organic Peroxide	
Resp. Sensitization		Aspiration Hazard		Gas Under Pressure	X	Self-Heating Substance		Corrosive to Metal	
Skin Sensitization				**ENVIRONMENTAL HAZARDS** *(GHS Rev 3 Only)*					
				Aquatic Acute		Aquatic Chronic		Ozone Depleting	

Signal Word *Danger!*

Hazard Pictograms

Hazard Statements *Extremely flammable aerosol. Contains gas under pressure; may explode if heated.*

Precautionary Statements

General	*Keep out of reach of children.*
Prevention	*Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.*
Response	*Not applicable.*
Storage	*Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.*
Disposal	*Not applicable.*

Hazards Not Otherwise Classified *None identified.*

Unknown Acute Toxicity *0.5 % by wt*

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	White Mineral oil	0008042-47-5	60 - 100
2	Light Alkylate Naphtha	0064741-66-8	15 - 40
3	Dearomatized Aliphatic Hydrocarbon	0064742-48-9	1 - 5

** Exact percentages of composition withheld as trade secret*

SECTION 4 - FIRST AID MEASURES

Description of First-Aid Measures

General *If exposed or concerned seek medical advice/attention.*

Eye Contact *Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.*

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.*

Ingestion *Do not induce vomiting! Immediately 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.*

Inhalation *Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.*

First-Aid Responder Protection *Wear adequate personal protective equipment based on the nature and severity of the emergency.*

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact *Liquid contact may cause pain along with moderate eye irritation.*

Skin Contact *Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.*

Ingestion *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, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.*

Inhalation *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.*

Indication of Immediate Medical Attention and Special Treatment

Notes to Physician *Treat symptomatically.*

Specific Treatments/Antidotes *No information available.*

Immediate Medical Attention *No information available.*

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media *Water, CO_2, dry chemical, or universal aqueous film forming foam*

Unsuitable Extinguishing Media *Water jet*

Specific Hazards Arising from the Chemical or Mixture

Decomposition Products *Oxides of carbon (CO, CO_2), smoke, and/or vapors*

Hazards from the Product *CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which may result in the container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.*

Advice for Firefighters

Protective Actions *Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.*

Protective Equipment *As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.*

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel *No action should be taken by non-emergency 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.*

For Emergency Responders *Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.*

Environmental Precautions

Precautions *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.*

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. DO NOT use combustible material such as sawdust.*

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. See Section 13 for disposal.*

Prohibited Materials *Combustible absorbent material such as sawdust, use of equipment that may cause sparking.*

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

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. Wash hands after use.*

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.*

Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements *Storage of individual cans should be done in an area below 50 °C (122 °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. This product is classified as a Level 3 Aerosol.*

Incompatibilities *Segregate storage away from materials indicated in Section 10*

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

ID	OSHA			NIOSH				ACGIH			AIHA
	PEL	STEL	CEILING	IDLH	REL	STEL	CEILING	TLV	STEL	CEILING	WEEL
1	–	–	–	–	–	–	–	–	–	–	–

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
–	–	–	–	–

Other Control Parameters *Not Available*

Appropriate Engineering Control

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.*

Individual Protection Measures

Hygiene Considerations *Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.*

Thermal Protection *This product does not present a thermal hazard.*

Respiratory Protection *An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, 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. 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 near where the material will be used.*

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Boiling Point	*> 97.8 °C (208.0 °F)*	**Melting / Freezing Point**	*Not Determined*
Flash Point, Liquid	*> -7.8 °C (18.0 °F)*	**Flash Point, Propellant**	*None*
Explosive Limits	*0.90% - 6.30%*	**Autoignition Temperature, Liquid**	*365.6 °C (690.0 °F)*
Flammability	*Extremely Flammable Aerosol*	**Relative Density (H2O = 1)**	*0.810 g/cc*
Molecular Weight	*Not Available*	**Weight**	*6.761 lbs/gal*
Vapor Pressure	*Not Determined*	**pH**	*Not Available*
Vapor Density	*3.900 g/cc Maximum*	**Evaporation Rate**	*Not Available*
Form	*Pressurized Product*	**Partition Coefficient**	*Not Available*
Viscosity	*Not Available*	**Refractive Index**	*Not Available*
Odor Threshold	*Not Available*	**Heat of Combustion (△Hc)**	*12,888.864 BTU/lb*
Odor	*Mild odor*	**Water Solubility**	*Not Available*
Appearance / Color	*Colorless to light amber*	**Decomposition Temperature**	*Not Available*

Air Quality Properties

Percent Volatile	*28% Wt (32% Vol) Max*	**VOC Regulatory**	*1.679 lbs/gal (201.232 g/L)*
Percent VOC	*24% Wt (28% Vol) Max*	**VOC Actual**	*1.623 lbs/gal (194.439 g/L)*
Percent HAP	*0% Wt (0% Vol) Max*	**HAP Content**	*None*
Solids/Non Volatile Content	*73% Wt (69% Vol) Max*	**Maximum Incremental Reactivity**	*0.281 g O3/g*
Global Warming Potential	*0.000*		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity *No specific test data related to reactivity is available for this product or its ingredients.*

Chemical Stability *This product is stable.*

Hazardous Reactions	*Under normal conditions of storage and use, hazardous reactions are not expected to occur.*
Conditions to Avoid	*Keep away from heat, sparks, flame, and red hot metal.*
Material Incompatibility	*Strong Oxidizing Agents*
Decomposition Productions	*Oxides of Carbon may be formed depending on fire conditions.*

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates *(mixture)*

Oral LD_{50}	*5399 mg/kg*
Dermal LD_{50}	*2011 mg/kg*
Inhalation LC_{50}	*39 mg/L 4-hour*

Acute Toxicity on Ingredients

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>5000 mg/kg	rat	>2000 mg/kg	rabbit	>2180 mg/m3	4h	rat
2	>7000 mg/kg	rat	>2000 mg/kg	rabbit	>14.4 mg/L	4h	rat
3	>5000 mg/kg	rat	>2000 mg/kg	rat	7.64 mg/L	4h	rat

Health Hazard Classification

Skin Corrosion / Irritation	*Classification criteria not met*
Eye Damage / Irritation	*Classification criteria not met*
Respiratory Irritation	*Classification criteria not met*
Respiratory / Skin Sensitization	*Classification criteria not met*
Germ Cell Mutagenicity	*Classification criteria not met*
Reproductive Toxicity	*Classification criteria not met*
STOT - Single Exposure	*Classification criteria not met*
STOT - Repeated Exposure	*Classification criteria not met*
Aspiration Hazard	*Classification criteria not met*

Carcinogen Data

ID	Calif Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
	No	No	No	No	No	No

Information on the Likely Routes of Exposure

Routes of Exposure	*Skin contact, skin absorption, eye contact, inhalation*

Information on Physical, Chemical and Toxicological Effects

Symptoms of Exposure	*No known symptoms*

Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure

Delayed Effects	*No known delayed effects.*
Immediate Effects	*No known immediate effects.*
Chronic Effects	*Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal.*
Medical Conditions Aggravated	*May aggravate personnel with pre-existing disorders associated with any of the Target Organs.*
Target Organs	*No known target organs.*

SECTION 12 - ECOLOGICAL INFORMATION

Acute Aquatic Toxicity

ID	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD
1	LC50	>10 g/L	96h	–	–	–	–	–	–	–	–	–
2	LC50	27 mg/L	96h	EC50	50 mg/L	48h	EC50	30000 mg/L	72h	–	–	–
3	LC50	54 mg/L	96h	EC50	210 mg/L	48h	EC50	20 mg/L	12d	–	–	–

Ecological Data

ID	PERSISTENCE AND DEGRADABILITY				BIOACCUMULATIVE POTENTIAL		MOBILITY
	PERSISTENCE	BOD	COD	ThOD	Pow / Kow	BCF	Koc
1	24% / 28 days	–	–	–	–	–	–
2	–	–	–	–	3.11 log Pow	–	–
3	30% / 28 days	–	–	–	3.9 log Pow	–	–

Other Adverse Effects *No additional information available.*

SECTION 13 - DISPOSAL CONSIDERATIONS

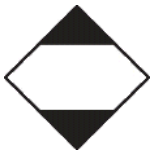
Waste Disposal *Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.*

Waste Disposal of Packaging *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 ***

SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information	***Ground Transportation*** *(DOT)*	***Air Transportation*** *(IATA)*	***Ocean Transportation*** *(IMDG)*
UN 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	*—*	*—*	*—*
Marine Pollutant	*No*	*No*	*No*
Hazard Label(s)			

SECTION 15 - REGULATORY INFORMATION

Federal Regulations

ID	TSCA LISTED	SARA 302 EHS TPQ	RCRA	CERCLA	SARA 313	SARA 311/312					CLEAN AIR ACT		CLEAN WATER ACT
						FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	HAP	SOCMI	
1	Yes	–	–	–	–	–	–	–	–	–	–	–	–
2	Yes	–	–	–	–	–	–	–	–	–	–	–	–
3	Yes	–	–	–	–	–	–	Yes	–	–	–	–	–

State Regulations

ID	CA P-65	DE RQ	MA RTK CODES	ME TYPE	ME RQ	ME RTK	MN AIR	MN WATER	NJ RTK	NY AIR	NY LAND	NY ACUTE	PA LISTED	WA PEL TWA	WI TABLE	WV TAP
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

SECTION 16 - OTHER INFORMATION

SDS Revision History

Revision 1, 07/20/2005, Original
Revision 2, 02/25/2011, Update to GHS Compliant MSDS.
Revision 3, 04/09/2012, Date Change.
Revision 4, 08/19/2014, Updated to GHS Version 4 Format.
Revision 5, 01/08/2015, Amended to GHS Version 3 Format.

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.

SAFETY DATA SHEET

Hackney Freeway Lube

SECTION 1 - IDENTIFICATION

24 hr Emergency Phone Number
800-255-3924
(Chem-Tel)

Product Identifier

Product Number(s)	*H0152CT - 5 & 55 Gallon*
Product Name	*Hackney Freeway Lube*
Other Means of Identification	*None*

Recommended Use and Restrictions on Use

Recommended Use	*Lubricant*
Restrictions on Use	*None Identified*

MANUFACTURER DETAILS		SUPPLIER DETAILS	
Name	*Chem-Pak, Inc.*	**Name**	*VT Hackney Inc*
Address	*242 Corning Way* *Martinsburg WV 25405*	**Address**	*PO Box 880* *Washington NC 27889-0880*
Phone Number	*800-336-9828*	**Phone Number**	*252-649-6521*
Fax Number	*304-262-9643*	**Fax Number**	*252-975-8368*

SECTION 2 - IDENTIFICATION

Hazard Classification

HEALTH HAZARDS				PHYSICAL HAZARDS					
Acute Tox. Oral		Mutagenicity		Unstable Explosive		Refrigerated Liq. Gas		Pyrophoric Solid	
Acute Tox. Skin	4	Carcinogenicity		Explosive		Flammable Liquid		Emits Flammable Gas	
Acute Tox. Inhalation		Tox. to Reproduction		Flammable Gas		Flammable Solid		Oxidizing Liquid	
Skin Irritation		STOT SE		Aerosol		Self-Reactive Sub.		Oxidizing Solid	
Eye Irritation		STOT RE		Oxidizing Gas		Pyrophoric Liquid		Organic Peroxide	
Resp. Sensitization		Aspiration Hazard		Gas Under Pressure		Self-Heating Substance		Corrosive to Metal	
Skin Sensitization				**ENVIRONMENTAL HAZARDS** *(GHS Rev 3 Only)*					
				Aquatic Acute		Aquatic Chronic		Ozone Depleting	

Signal Word *Warning!*

Hazard Pictograms

Hazard Statements *Harmful in contact with skin.*

Precautionary Statements

General	*Keep out of reach of children.*
Prevention	*Wear protective gloves/protective clothing/eye protection/face protection.*
Response	*IF ON SKIN: Wash hands with plenty of water. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.*
Storage	*Not applicable.*
Disposal	*Dispose of contents/container in accordance with local regulations.*

Hazards Not Otherwise Classified *None identified.*

Unknown Acute Toxicity *0% by wt*

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	White Mineral Oil	0008042-47-5	60 - 100
2	Light Alkylate Naphtha	00647-41-66-8	15 - 40
3	Dearomatized Aliphatic Hydrocarbon	0064742-48-9	1 - 5

** Exact percentages of composition withheld as trade secret*

SECTION 4 - FIRST AID MEASURES

Description of First-Aid Measures

General *If exposed or concerned seek medical advice/attention.*

Eye Contact *Flush eyes with water.*

Skin Contact *Remove with soap and water.*

Ingestion *Do not induce vomiting! Drink plenty of water. Contact a physician if irritation develops.*

Inhalation *Remove to fresh air.*

First-Aid Responder Protection *No additional protection needs are anticipated.*

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact *Essentially non-irritating. Excessive contact may cause mild irritation or redness.*

Skin Contact *Essentially non-irritating. Excessive contact may cause mild irritation or redness.*

Ingestion *May have a laxative effect.*

Inhalation *At room temperature, exposure to vapor is minimal due to low volatility. Single exposure is not anticipated to be hazardous.*

Indication of Immediate Medical Attention and Special Treatment

Notes to Physician *Treat symptomatically.*

Specific Treatments/Antidotes *No information available.*

Immediate Medical Attention *No information available.*

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media *Product is non-flammable. Use extinguishing media suitable for surrounding materials.*

Unsuitable Extinguishing Media *Avoid extinguishing media unsuitable for surrounding materials.*

Specific Hazards Arising from the Chemical or Mixture

Decomposition Products *Decomposition products may include oxides of carbon (CO, CO2), smoke and/or vapors.*

Hazards from the Product *Contents are non-flammable. In a fire or if heated, a pressure increase may occur which may result in container bursting.*

Advice for Firefighters

Protective Actions *Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.*

Protective Equipment *As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.*

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel *No action should be taken by non-emergency personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.*

For Emergency Responders *Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.*

Environmental Precautions

Precautions *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.*

Methods and Materials for Containment and Cleaning Up

Containment Procedures *Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.*

Cleanup Procedures *Soak up material with inert absorbent and place in safety containers for proper disposal.*

Other Information *Not available*

Prohibited Materials *Not available*

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

General Handling Precautions *KEEP OUT OF THE REACH OF CHILDREN.*

Hygiene Recommendations *Do not eat, drink or smoke when using this product. Wash hands thoroughly after use.*

Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements *Keep containers closed when not in use. Do not store in open or unlabelled containers.*

Incompatibilities *Segregate storage away from materials indicated in Section 10*

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

ID	OSHA			NIOSH				ACGIH			AIHA
	PEL	STEL	CEILING	IDLH	REL	STEL	CEILING	TLV	STEL	CEILING	WEEL
1	–	–	–	–	–	–	–	–	–	–	–

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
–	–	–	–	–

Other Control Parameters *Not Available*

Appropriate Engineering Control

Engineering Measures *Use only with adequate ventilation.*

Individual Protection Measures

Hygiene Considerations *No special precautions necessary beyond normal good hygiene practices. Keep out the reach of children. Wash hands after use.*

Thermal Protection *This product does not present a thermal hazard.*

Respiratory Protection *Respiratory protection is not anticipated to be needed.*

Skin Protection *For brief contact, no precautions other than clean body-covering clothing should beneeded.*

Eye/Face Protection *Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling.*

Other Protective Equipment *Not applicable.*

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Boiling Point	> 97.8 °C (208.0 °F)	**Melting / Freezing Point**	Not Determined
Flash Point, Liquid	> -7.8°C (18.0 °F)		
Explosive Limits	0.90% - 6.30%	**Autoignition Temperature, Liquid**	365.6 °C (690.0 °F)
Flammability	Category 2 Liquid	**Relative Density (H2O = 1)**	0.809 g/cc
Molecular Weight	Not Available	**Weight**	6.750 lbs/gal
Vapor Pressure	Not Determined	**pH**	Not Available
Vapor Density	3.900 g/cc Maximum	**Evaporation Rate**	Not Available
Form	Pressurized Product	**Partition Coefficient**	Not Available
Viscosity	Not Available	**Refractive Index**	Not Available
Odor Threshold	Not Available	**Heat of Combustion (△ Hc)**	12.978.959 BTU/lb
Odor	Faint Petroleum Odor	**Water Solubility**	Not Available
Appearance / Color	Straw Colored Liquid	**Decomposition Temperature**	Not Available

Air Quality Properties

Percent Volatile	28% Wt (32% Vol) Max	**VOC Regulatory**	1.677 lbs/gal (200.898 g/L)
Percent VOC	24% Wt (28% Vol) Max	**VOC Actual**	1.620 lbs/gal (194.127 g/L)
Percent HAP	0% Wt (0% Vol) Max	**HAP Content**	None
Solids/Non Volatile Content	73% Wt (69% Vol) Max	**Maximum Incremental Reactivity**	0.281 g O3/g
Global Warming Potential	0.000		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity is available for this product or its ingredients.
Chemical Stability	This product is stable.
Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions are not expected to occur.
Conditions to Avoid	Not applicable
Material Incompatibility	Strong Oxidizing Agents
Decomposition Productions	Oxides of carbon may be formed depending on fire conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates *(mixture)*

Oral LD_{50}	5368 mg/kg
Dermal LD_{50}	2000 mg/kg
Inhalation LC_{50}	39 mg/L 4-hour

Acute Toxicity on Ingredients

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>5000 mg/kg	rat	>2000 mg/kg	rabbit	>2180 mg/m3	4h	rat
2	>7000 mg/kg	rat	>2000 mg/kg	rabbit	>14.4 mg/L	4h	rat
3	>5000 mg/kg	rat	>2000 mg/kg	rat	7.64 mg/L	4h	rat

Health Hazard Classification

Skin Corrosion / Irritation	Classification criteria not met
Eye Damage / Irritation	Classification criteria not met
Respiratory Irritation	Classification criteria not met

Respiratory / Skin Sensitization	*Classification criteria not met*
Germ Cell Mutagenicity	*Classification criteria not met*
Reproductive Toxicity	*Classification criteria not met*
STOT - Single Exposure	*Classification criteria not met*
STOT - Repeated Exposure	*Classification criteria not met*
Aspiration Hazard	*Classification criteria not met*

Carcinogen Data

ID	Calif Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
	No	No	No	No	No	No

Information on the Likely Routes of Exposure

Routes of Exposure *Skin contact, skin absorption, eye contact, inhalation*

Information on Physical, Chemical and Toxicological Effects

Symptoms of Exposure *No known symptoms.*

Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure

Delayed Effects	*No known delayed effects.*
Immediate Effects	*No known immediate effects.*
Chronic Effects	*No known chronic effects.*
Medical Conditions Aggravated	*Not applicable*
Target Organs	*No known target organs.*

SECTION 12 - ECOLOGICAL INFORMATION

Acute Aquatic Toxicity

ID	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD
1	LC50	>10 g/L	96h	–	–	–	–	–	–	–	–	–
2	LC50	>27 mg/L	96h	EC50	50 mg/L	48h	EC50	30000 mg/L	72h	–	–	–
3	LC50	54 mg/L	96h	EC50	210 mg/L	48h	EC50	20 mg/L	12d	–	–	–

Ecological Data

ID	PERSISTENCE AND DEGRADABILITY				BIOACCUMULATIVE POTENTIAL		MOBILITY
	PERSISTENCE	BOD	COD	ThOD	Pow / Kow	BCF	Koc
1	24% / 28 days	–	–	–	–	–	–
2	–	–	–	–	3.11 log Pow	–	–
3	30% / 28 days	–	–	–	3.9 log Pow	–	–

Other Adverse Effects *No additional information available.*

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal *Although this product is non-hazardous, contamination from a variety fo means is possible. 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 nation, federal, state, and/or local regulations.*

Waste Disposal of Packaging *Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallon or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.*

Landfill Precautions *Not Available*

Incineration Precautions *Not Available*

SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information	***Ground Transportation*** *(DOT)*	***Air Transportation*** *(IATA)*	***Ocean Transportation*** *(IMDG)*
UN Number	*Non-Regulated Material*	*Non-Regulated Material*	*Non-Regulated Material*

SECTION 15 - REGULATORY INFORMATION

Federal Regulations

	TSCA	SARA 302				SARA 311/312					CLEAN AIR ACT		CLEAN
ID	LISTED	EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	HAP	SOCMI	WATER ACT
1	Yes	–	–	–	–	–	–	–	–	–	–	–	–
2	Yes	–	–	–	–	–	–	–	–	–	–	–	–
3	Yes	–	–	–	–	–	–	Yes	–	–	–	–	–

State Regulations

	CA	DE	MA	ME		MN			NJ	NY			PA	WA	WI	WV
ID	P-65	RQ	RTK CODES	TYPE	RQ	RTK	AIR	WATER	RTK	AIR	LAND	ACUTE	LISTED	PEL TWA	TABLE	TAP
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

SECTION 16 - OTHER INFORMATION

SDS Revision History

Revision 1, 11/15/2007, Original
Revision 2, 06/23/2011, Date change.
Revision 3, 08/20/2014, Updated to GHS Version 4 Format.
Revision 4, 01/08/2015, Amended to GHS Version 3 Format.

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.