SAFETY DATA SHEET

Solvex Thinner **Revision Date** 6/21/2015

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **Solvex Thinner** **PRODUCT USE** Thinner **BLN** 5136

COMPANY NAME Buckley Oil Company **Office** (214) 421-4147

2900 Kemp Ranch Crossing **Fax** (214) 428-4566

Midlothian TX 76065 **Web** www.buckleyoil.com

EMERGENCY TELEPHONE NUMBER **INFOTRAC** **(800) 535-5053**

Labeled for & Distributed by:
Pierce Companies
4722 Bronze Way
Dallas, TX 75236
214.333.4230

SECTION – 2 HAZARDS INFORMATION

Physical Hazards FLAMMABLE LIQUIDS-Category 2

Health Hazrds EYES-Category 2B; SKIN-Category 2; STOT SINGLE EXPOSURE-Category 3; STOT REPEAT EXPOSURE-Category 2; ASPIRATION-Category 1; CARCINOGENS-Category 2; REPRODUCTIVE-Category 2; ACUTE TOXICITY-Category 4 (Inhaled) Vapors


Flammables


Acute Toxicity
Irritant (skin and eye)
Narcotic Effects
Respiratory Tract Irritant


Aspiration Toxicity
Carcinogen
Reproductive Toxicity

DANGER! Highly flammable liquid and vapor, Vapors may cause flash fire, Keep away from sparks, open flames or hot surfaces

Causes eye irritation, Causes skin irritation, Harmful if inhaled, Harmful if swallowed, May be fatal if swallowed and enters airways, May cause damage to organs, through prolonged or repeated exposure, May cause respiratory irritation and/or drowsiness or dizziness, Do not get in eyes, on skin, or clothing, and avoid inhalation, Do not smoke, eat or drink while using, Use proper Safety Equipment, Wash thoroughly after handling, Avoid release into the environment

Suspected of causing cancer, Suspected of damaging fertility or the unborn child

SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Toluene	C7 Aromatic Hydrocarbon Solvent	108-88-3	Ethylbenzene <0.1%, Benzene <0.1%	1 - 50%
Methyl Isobutyl Ketone	Hexanone, 4-methyl-2-pentanone	108-10-1		1 - 30%
Xylene	C8 Aromatic Hydrocarbon Solvent	1330-20-7	Ethylbenzene < 30%	1 - 20%
Isopropyl Alcohol	Isopropanol, 2-propanol	67-63-0	Water <1%	1 - 15%
Light Hydrotreated Distillate	Petroleum Distillates	68410-97-9		1 - 20%
Diacetone Alcohol	Keytone, 4-Hydroxy-4-methyl-2-pentanone	123-42-2		1 - 10%
Methyl Ethyl Ketone	2-Butanone, Ethyl methyl ketone	78-93-3		1 - 5%
Ethyl Acetate	Ethyl Ethanoate, Acetic Ether	141-78-6		1 - 8%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists obtain immediate medical attention, preferably from an ophthalmologist

SKIN CONTACT Immediately wash contaminated skin with a nonabrasive soap and plenty of water for at least 15 minutes, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

INGESTION DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out with water. Contact a physician or poison control center immediately. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

Aspiration Hazard Aspiration into the lungs can cause severe lung damage and is a medical emergency, If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into the lungs, Never give anything by mouth to an unconscious person. Call a physician or hospital emergency room immediately

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause eye irritation, redness, tearing, pain, by direct product contact, mist or vapors

Skin Can cause skin irritation, redness, drying or cracking, May be harmful if absorbed through skin

Inhalation Harmful if inhaled, Mist, vapor or fumes may cause, irritation to upper respiratory tract, headache, coughing, dizziness, drowsiness, fatigue

Ingestion Harmful if swallowed, Can cause irritation, Can affect target organs, Can be harmful if swallowed and enters airways

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes eye irritation, redness, tearing, pain, or possible corneal injury, by direct product contact, mist or vapors

Skin Causes skin irritation, redness, burning, drying or cracking, Skin absorption can affect, liver, kidneys, central nervous systems, cardiovascular system, through prolonged or repeated exposure

Inhalation Harmful if inhaled, Mist, vapor or fumes can cause, irritation to respiratory tract, nausea, headache, coughing, asthmatic breathing difficulties, dizziness, drowsiness, fatigue

Ingestion Harmful if swallowed, Can cause central nervous system or cardiac depression, May be fatal if swallowed and enters airways, Can affect target organs, liver, kidneys, respiratory system, central nervous system, cardiovascular system

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	SUITABLE: Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials UNSUITABLE: Avoid using a water stream. Product will float upon water and could spread any fire
Hazardous Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, unburned hydrocarbons, and other toxic fumes
Reactive With	Reactive with, oxidizing agents, reducing agents, bases, strong acids
Explosion Hazards	May explode if ignited in an enclosed area. Flashback along vapor trail may occur
Static Discharge	Expected to ignite product
Mechanical Impact	Not expected to ignite product
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION

Criteria	Flash point < 23°C (73°F) and initial boiling point > 35°C (95°F)
NFPA	Class I B
GHS	Category 2
WHMIS	Class B-2

NFPA HAZARD	RATINGS
Health	2
Flammability	3
Reactivity	0
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel to move away and stay upwind from spill
Personal Precautions	Eliminate ignition sources and ventilate area
Protective Equipment	Safety Glasses, Chemical Gloves, Approved Respirator, Chemical Apron and Rubber Boots
Containment	Cover or dike any floor drains with an inert material to prevent product from entering the environment or spreading
Clean Up Procedures	Use sand or inert non-combustible absorbent pads or material and place in a chemical waste disposal container
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	DANGER, HIGHLY FLAMMABLE LIQUID, Keep away from incompatible materials, heat, sparks, electrical equipment, fire and all ignition sources, Use appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, Avoid inhalation of mist, vapors or fumes, May cause respiratory irritation and/or drowsiness or dizziness, Harmful if inhaled, Harmful if swallowed, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Avoid free fall of liquid, Ground containers when transferring, Empty containers are very hazardous, Do not flame cut, saw or drill. Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements
Storage	Keep container closed when not in use, Store in a well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Vapors may spread long distances and ignite explosively, Store below 49ºC (120ºF) and in accordance with Class 1B Flammable Liquids (GHS Category 2)
Incompatible Materials	Incompatible with, oxidizing agents, reducing agents, bases, strong acids

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Isopropyl Alcohol	200 ppm (A4)	400 ppm	400 ppm	400 ppm	RT,CNS
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm (590 mg/m³)	300 ppm (885 mg/m³)	RT,CNS,PNS
Methyl Isobutyl Ketone	50 ppm (205 mg/m³)	75 ppm	100 ppm (410 mg/m³)	75 ppm (300 mg/m³)	RT
Toluene	20 ppm (Skin)		200 ppm	300 ppm	EI,SA
Light Hydrotreated Distillate	300 ppm 5 mg/m³		500 ppm 5 mg/m³		CNS
Xylene	100 ppm	150 ppm	100 ppm (435 mg/m³)	150 ppm (655 mg/m³)	RT,CNS
Ethylbenzene	20 ppm	125 ppm	100 ppm (435 mg/m³)	125 ppm (545 mg/m³)	CI,RT,KD

PERSONAL PROTECTIVE EQUIPMENT


Chemical Safety Glasses, Goggles or Face Shield


Impervious Chemical Gloves


MSHA / NIOSH Approved Respirator At or Above Listed TLV's


Impervious Protective Clothing

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Eye Wash and Safety Shower (Recommended)

Ventilation

Ventilate to keep vapors of this material below the lowest ppm listed above. If over TLV, in accordance with 29 CFR 1910.134, use a MSHA / NIOSH approved positive-pressure self-contained breathing apparatus

"Consulting with a Safety Equipment Supplier is recommended"

HMIS HAZARD	RATINGS
Health	2
Flammability	3
Reactivity	0
Personal Protection	H

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	-3°C (27°F) Closed Cup	**Specific Gravity / Relative Density**	0.829
Flammable Limits	Lower: 1.1%, Upper: 7%	**Molecular Weight**	94.18 g/mol
Auto-Ignition Temp.	398ºC (750ºF)	**Viscosity**	ND
Physical State	Liquid	**Boiling Range**	ND
Appearance	Clear	**Vapor Pressure**	ND
Odor	Solvent	**Vapor Density**	ND
Odor Threshold	ND	**Freeze Point**	ND
Solubility	< 20%	**Melting Point**	ND
Volatiles	100%	**Partition Coefficient**	ND
VOC	100%	**Decomposition Temperature**	ND
pH (± 0.3)	NA	**Evaporation Rate**	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49ºC (120ºF)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Heat sources, sparks, flame or static discharge and incompatible materials
Incompatible Materials	Incompatible with, oxidizing agents, reducing agents, bases, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, unburned hydrocarbons, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Eyes (Yes), Skin (Yes), Ingestion (Yes “Aspiration Hazard”), Inhalation (Yes “Mist or Vapors”)

ACUTE	**SYMPTOMS OF SINGLE OVEREXPOSURE**
Eyes	Can cause eye irritation, redness, tearing, pain, by direct product contact, mist or vapors
Skin	Can cause skin irritation, redness, drying or cracking, May be harmful if absorbed through skin
Inhalation	Harmful if inhaled, Mist, vapor or fumes may cause, irritation to upper respiratory tract, headache, coughing, dizziness, drowsiness, fatigue
Ingestion	Harmful if swallowed, Can cause irritation, Can affect target organs, Can be harmful if swallowed and enters airways

CHRONIC	**SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**
Eyes	Causes eye irritation, redness, tearing, pain, or possible corneal injury, by direct product contact, mist or vapors
Skin	Causes skin irritation, redness, burning, drying or cracking, Skin absorption can affect, liver, kidneys, central nervous systems, cardiovascular system, through prolonged or repeated exposure
Inhalation	Harmful if inhaled, Mist, vapor or fumes can cause, irritation to respiratory tract, nausea, headache, coughing, asthmatic breathing difficulties, dizziness, drowsiness, fatigue
Ingestion	Harmful if swallowed, Can cause central nervous system or cardiac depression, May be fatal if swallowed and enters airways, Can affect target organs, liver, kidneys, respiratory system, central nervous system, cardiovascular system

Acute Tox Calculated **Oral:** 3,719 mg/kg **Dermal:** 4,989 mg/kg **Inhaled:** 18.2 mg/L

Acute Tox Category Not applicable (Oral > 2,000 mg/kg), Not applicable (Dermal > 2,000 mg/kg), Category 4 (Inhaled >10, ≤20 mg/L) Vapors

Additional Info NOTE: Intentional misuse by deliberately concentrating and inhaling this product can be harmful or fatal, NOTE: High pressure skin injections are SERIOUS MEDICAL EMERGENCIES. The injury may not appear serious at first, but within a few hours tissues will become swollen, discolored and extremely painful

Target Organs Blood, Kidneys, Liver, Respiratory Tract, Eyes (Lens or cornea), Skin, Auditory System, Cardiovascular System, Central Nervous System

Medical Conditions Preexisting, eye, skin, liver, kidney, central nervous system, blood, respiratory, cardiovascular, disorders may be aggravated by exposure to this product

Notes to Physician In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption, In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
Ethylbenzene		A3 (Confirmed for animal)	2B (Possible for human)	2 (Suspected human)

MUTAGENIC AND REPRODUCTIVE EFFECTS – May cause fetal and reproductive abnormalities.

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
Toluene		2 (Warning, Suspected of damaging fertility or the unborn child)

SECTION – 11 TOXICOLOGICAL INFORMATION - CONTINUED

COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Toluene	LD50	Oral	Rat	5,580 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	12.5 mg/L	4 Hours (Vapor)	4 (>10, ≤20 mg/L)
	LC50	Dermal	Rabbit	12,196 mg/kg		(>2000 mg/kg)
Xylene	LD50	Oral	Rat	4,300 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	19.76 mg/L	4 Hours (Vapor)	4 (>10, ≤20 mg/L)
	LD50	Dermal	Rabbit	1,700 mg/kg		4 (>1000, ≤2000 mg/kg)
Isopropyl Alcohol	LD50	Oral	Rat	5,045 mg/kg		(>2000 mg/kg)
	LC50	Inhalation	Rat	78.6 mg/L	4 Hours (Vapor)	(>20 mg/L)
	LD50	Dermal	Rabbit	12,870 mg/kg		(>2000 mg/kg)
Petroleum Distillates	LD50	Oral	Rat	5,170 mg/kg		(>2000 mg/kg)
	LC50	Rat	Inhaled	5.2 mg/L	4 Hours (Vapor)	3 (>2, ≤10 mg/L)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		(>2000 mg/kg)
Methyl Ethyl Ketone	LD50	Oral	Rat	>2000 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	>2000 mg/kg		(>2000 mg/kg)
	LD50	Inhalled	Rat	14.75 mg/L	4 Hours (Vapor)	4 (>10, ≤20 mg/L)
Methyl Isobutyl Ketone	LD50	Oral	Rat	2,080 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	16.4 mg/L	4 Hours (Vapor)	4 (>10, ≤20 mg/L)
	LD50	Dermal	Rabbit	16,000 mg/kg		(>2000 mg/kg)
Ethylbenzene	LD50	Oral	Rat	3,500 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rat	15,433 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	27.50 mg/L	4 Hours (Vapor)	(>20 mg/L)

SECTION – 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
Toluene	LC50	Fish	(Gambusia affinis)	10 to 100 mg/L	96 Hours	3 (>10, ≤100 mg/L)
	EC50	Water Flea	(Daphnia magna)	6.56 mg/L	48 Hours	2 (>1, ≤10 mg/L)
	LC50	Rainbow Trout	(Oncorhynchus mykiss)	538 mg/L	96 Hours	4 (>100 mg/L)
Xylene (mixed isomers)	EC50	Water Flea	(Daphnia magna)	8.2 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Striped Bass	(Morone saxatilis)	12 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Isopropyl Alcohol	LC50	Fish	(Leuciscus idus)	>100 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	9,640 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	5,102 mg/L	24 Hours	4 (>100 mg/L)
Petroleum Distillates	LC50	Fish	(Unknown Species)	1 to 10 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	EC50	Water Flea	(Daphnia magna)	1 to 10 mg/L	48 Hours	2 (>1, ≤10 mg/L)
Methyl Ethyl Ketone	LD50	Fish	(Unknown Species)	> 1000 mg/L		4 (>100 mg/L)
Methyl Isobutyl Ketone	LC50	Fish	(Leuciscus idus)	480 mg/L	4 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	1,550 mg/L	4 Hours	4 (>100 mg/L)
Ethylbenzene	EC50	Water Flea	(Daphnia magna)	1.8 mg/L	48 Hours	2 (>1, ≤10 mg/L)

Presistence And Degradability Biodegrades in soil and ground water, aerobic and anaerobic denitrifying conditions

Bioaccumulative Potential Rapidly biodegradable in aerobic conditions

Mobility In Soil Expected to have low mobility in soil

Other Adverse Effects Toxic to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its ignitability and due to the composition containing in some or all of its components.

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste.

The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270. Disposal can only occur in properly permitted facilities.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

SECTION – 14 TRANSPORT INFORMATION

D.O.T. CLASSIFICATION

UN Number	Proper Shipping Name	n.o.s. (Chemicals) or "Limits"
UN 1268	PETROLEUM DISTILLATES, n.o.s. (Toluene, Xylene, Ketones)	

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response Code	Marine Pollutant
3	II	Flammable Liquids	100	128	No

Placard Label **Hazard Label** **Secondary** .

SECTION – 15 REGULATORY INFORMATION

TSCA

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Isopropyl Alcohol	Yes	Yes		
Methyl Ethyl Ketone	Yes			
Methyl Isobutyl Ketone	Yes			
Toluene	Yes	Yes		
Xylene	Yes			
Ethylbenzene	Yes			

REPORTABLE QUANTITIES

	Extremely Hazardous		Reportable Quantity	Emission Reporting		
CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Toluene			1000	Yes	U220	
Xylene			100	Yes	U239	
2-Propanol				Yes		
Ethylbenzene			1000	Yes		
Methyl Ethyl Ketone			5000		U159	
Methyl Isobutyl Ketone			5000	Yes	U161	

SARA

	Section 311	Section 311 / 312 Hazards				
CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Isopropyl Alcohol	Yes	Yes	Yes	Yes		
Methyl Ethyl Ketone	Yes	Yes	Yes	Yes		
Methyl Isobutyl Ketone	Yes	Yes	Yes	Yes		
Toluene	Yes	Yes	Yes	Yes		
Petroleum Distillates	Yes	Yes		Yes		
Xylene	Yes	Yes	Yes	Yes		
Ethylbenzene	Yes	Yes	Yes	Yes		

RIGHT TO KNOW

	STATE											
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Isopropyl Alcohol			Yes			Yes		Yes		Yes	Yes	Yes	
Methyl Ethyl Ketone						Yes		Yes			Yes		
Methyl Isobutyl Ketone						Yes		Yes			Yes		
Toluene	Yes		Yes			Yes		Yes		Yes	Yes		Yes
Petroleum Distillates			Yes			Yes	Yes	Yes		Yes	Yes		
Xylene						Yes		Yes			Yes		
Ethylbenzene						Yes		Yes			Yes		

CALIFORNIA **WARNING! This product contains chemicals known to the state of California to cause:**

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Toluene	108-88-3	Yes	Yes		Yes
Ethylbenzene	100-41-4			Yes	
Methyl Isobutyl Ketone	108-10-1			Yes	Yes

CLEAN AIR WATER ACTS

		Clean Air Acts			Clean Water Acts		
CHEMICAL NAME	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Toluene	108-88-3				Yes		
Ethylbenzene	100-41-4	Yes			Yes	Yes	Yes
Xylene (All Isomers)	1330-20-7	Yes			Yes		

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Isopropyl Alcohol	Yes	Yes	Yes	Yes	Yes	Yes
Methyl Ethyl Ketone	Yes	Yes	Yes	Yes	Yes	Yes
Methyl Isobutyl Ketone	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	Yes	Yes	Yes	Yes	Yes	Yes
Petroleum Distillates	Yes	Yes	Yes	Yes	Yes	Yes
Xylene	Yes	Yes	Yes	Yes	Yes	Yes
Ethylbenzene	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Toluene, Xylene, Ketones	Yes	B-2	Flammable Liquids; Flashpoint < 37.8° C (100°F)
		D-2A	Materials Causing Other Toxic Effects; Very Toxic Material
		D-2B	Materials Causing Other Toxic Effects; Toxic Material

SECTION – 16 OTHER INFORMATION

Standard Risk And Safety Phrases

Code	Definition (R-Phrases / S-Phrases)
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R45	May cause cancer
R51	Toxic to aquatic organisms
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
S16	Keep away from sources of ignition - No smoking
S17	Keep away from combustible material
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S27	Take off immediately all contaminated clothing
S38	In case of insufficient ventilation wear suitable respiratory equipment
S61	Avoid release to the environment
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
S20/21	When using do not eat, drink or smoke
S24/25	Avoid contact with skin and eyes
S29/35	Do not empty into drains; dispose of this material and its container in a safe way
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

SDS	LEGEND DESCRIPTION	SDS	LEGEND DESCRIPTION
ACGIH	American Conference of Governmental Industrial Hygienists	**LC50**	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	**LD50**	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	**LEL**	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	**LD**	Liver Damage
CI	Cochlear Impairment	**NA**	Not Applicable
CNS	Central Nervous System	**ND**	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	**NFPA**	National Fire Protection Association
EPA	Environmental Protection Agency	**NIOSH**	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	**NE**	Not Established
FBG	Full Bunker Gear	**NTP**	National Toxicology Program
GHS	Globally Harmonized System	**OSHA**	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	**PEL**	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	**PNS**	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	**PP**	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	**REL**	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	**RT**	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	**Skin**	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	**SARA**	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	**STEL**	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	**TC Lo**	Air concentration that is lethal to 50% of a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	**TD Lo**	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	**TLV**	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	**TP**	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	**TSCA**	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	**TWA**	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	**UEL**	Upper Explosive Limit

Buckley Oil Company

and nCites, L.L.C. have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

Supersedes Safety Data Sheet Dated