

# SAFETY DATA SHEET

300-360 <1%

Revision Date 10/22/2020

## SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** 300-360 <1% **Item** ALP2122

**Product Use** Solvent

**Company Name** Buckley Oil Company **Office** (214) 421-4147  
2900 Kemp Ranch Crossing **Fax** (214) 428-4566  
Midlothian TX 76065 **Web** [www.buckleyoil.com](http://www.buckleyoil.com)

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

## SECTION – 2 HAZARDS INFORMATION

**Pictogram**



**Signal Word** Danger

**Hazards** PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS

Flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause drowsiness or dizziness  
Toxic to aquatic life  
Toxic to aquatic life with long lasting effects

HAZARD CATEGORY CLASSIFICATION CODE

Category 3 Flammable Liquids H226  
Category 1 Aspiration Toxicity H304  
Category 2 Skin (Corrosion / Irritation) H315  
Category 3 STOT Single Exposure H336  
Category 2 Acute Toxicity (Aquatic) H401  
Category 2 Chronic Toxicity (Aquatic) H411

**Precautions** HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL

Keep away from heat / sparks / open flames / hot surfaces – No smoking P210  
Keep container tightly closed P233  
Ground / bond container and receiving equipment P240  
Use explosion-proof electrical / ventilating / lighting /or /equipment P241  
Use only non-sparking tools P242  
Take precautionary measures against static discharge P243  
Avoid breathing dust / fume / gas / mist / vapours / spray P261  
Wash thoroughly after handling P264  
Do not eat, drink or smoke when using this product P270  
Use only outdoors or in a well-ventilated area P271  
Avoid release to the environment P273  
Wear protective gloves / protective clothing / eye protection / face protection P280  
In case of inadequate ventilation wear respiratory protection P285  
In case of fire: Use dry chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials P370+P378  
Collect spillage P391  
Store in a well-ventilated place, Store locked up, Keep container tightly closed, Keep cool P403+P405+P233+P235  
Dispose of material in accordance with all State and Federal Guidelines and Regulations P501

## 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 |
|--------------------------------|---|------------|------------|---------|
| Hydrotreated Light Distillates | Distillates (Petroleum), Hydrotreated Light | 64742-47-8 |            | 100%    |

## SECTION – 4 FIRST AID MEASURES

**Eye Contact** Immediately flush eyes with cold water for several 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 seek medical aid

**Skin Contact** Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

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

**Ingested** DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, 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, If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing

|                           |   |
|---------------------------|---|
| <b>Important Effects</b>  | Exposure may affect, central nervous system   |
| <b>Important Symptoms</b> | Symptoms may include, central nervous system depression, dizziness or drowsiness, fatigue, headache, narcotic effects, nausea, unconsciousness, vertigo, vomiting |

**SECTION – 5 FIRE FIGHTING MEASURES**

|                                |  |
|--------------------------------|--|
| <b>Extinguishing Media</b>     | SUITABLE: Use DRY chemicals, CO2 or 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  |
| <b>Explosion Hazard</b>        | Flammable liquid and vapor, May flash or explode if ignited in an enclosed area, May form flammable or explosive vapor-air mixture, Flashback along vapor trail may occur, Containers may explode or erupt during a fire when heated excessively, Product will float and can be reignited on surface water |
| <b>Hazardous Decomposition</b> | Burning or thermal decomposition can produce, carbon oxides, unburned hydrocarbons   |
| <b>Protective Equipment</b>    | Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear  |

**FLAMMABLE LIQUIDS HAZARD CLASSIFICATION**Criteria Flash point  $\geq 37.8^{\circ}\text{C}$  ( $100^{\circ}\text{F}$ ) and  $\leq 60^{\circ}\text{C}$  ( $140^{\circ}\text{F}$ )

NFPA Class II

GHS Category 3

WHMIS Class B-3

**NFPA HAZARD RATINGS**

Health 1

Flammability 2

Reactivity 0

Special Hazards

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

|                             |  |
|-----------------------------|--|
| <b>Emergency Procedures</b> | Warn personnel to move away and stay upwind from spill, Stop spill or release only if it can be done safely, Keep unprotected personnel from entering the hazard area, Eliminate ignition sources and ventilate area |
| <b>Personal Precautions</b> | Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill, Contaminated surfaces will be extremely slippery   |
| <b>Protective Equipment</b> | Safety Glasses, Chemical Gloves, Approved Respirator, Chemical Apron, Rubber Boots   |
| <b>Containment</b>          | Use sand or inert non-combustible absorbent pads to prevent spill from spreading, Prevent spill from entering the environment, waterways, sewers, basements or confined areas  |
| <b>Clean Up Procedures</b>  | Use sand or inert non-combustible absorbent pads or material. Collect product using non-sparking tools and place into approved container for proper disposal   |
| <b>Disposal</b>             | Dispose of material in accordance with all State and Federal Guidelines and Regulations, Contact a licensed waste disposal contractor for proper disposal  |

**SECTION – 7 HANDLING AND STORAGE**

|                               |   |
|-------------------------------|---|
| <b>Handling</b>               | Keep away from incompatible materials, heat, sparks, electrical equipment, fire and all ignition sources, Do not get in eyes, on skin, or clothing, or breathe mist, vapor or fumes, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly after handling, Use only non-sparking tools, 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 and grounding requirements |
| <b>Storage</b>                | Keep container closed when not in use, Store in a cool, well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Store below $49^{\circ}\text{C}$ ( $120^{\circ}\text{F}$ ) and in accordance with Class II Combustible Liquids (GHS Category 3)   |
| <b>Incompatible Materials</b> | Incompatible with, oxidizing materials  |

**SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

| <b>EXPOSURE LIMITS</b>         |                       |              |                  |             | <b>Significant Exposure</b> |
|--------------------------------|-----------------------|--------------|------------------|-------------|-----------------------------|
| CHEMICAL NAME                  | ACGIH (TWA 8)         | ACGIH (STEL) | OSHA PEL (TWA 8) | OSHA (CEIL) |                             |
| Hydrotreated Light Distillates | 200 mg/m <sup>3</sup> |              |                  |             | RT                          |

**PERSONAL PROTECTION**

| <b>HMS HAZARD RATINGS</b> |   |
|---------------------------|---|
| Health                    | 1 |
| Flammability              | 2 |
| Reactivity                | 0 |
| Personal Protection       | H |

|                    |   |
|--------------------|---|
| <b>Eyes</b>        | Wear safety glasses or goggles or face shield when handling / using this material   |
| <b>Hands</b>       | Wear chemical resistant impervious gloves when handling / using this material. Consult with supplier for recommendations regarding glove material / permeability / break through time                                   |
| <b>Lungs</b>       | Wear a MSHA / NIOSH approved respirator at or above listed TLV's or if irritation is experienced  |
| <b>Body</b>        | "If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when handling / using this material   |
| <b>Feet</b>        | "If Situation Requires" - Wear chemical resistant impervious footwear if exposure is considered to be likely when handling / using this material  |
| <b>Response</b>    | Access to a drench shower with eye wash station is a recommended safety precaution for handling / using this type of material   |
| <b>Ventilation</b> | Ventilate to keep vapors of this material below the lowest ppm listed above, If over Threshold Limit Value use a MSHA / NIOSH approved respirator for organic vapor, supplied air or self-contained breathing apparatus |

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                                 |                                   |                                       |
|-----------------------------|---------------------------------|-----------------------------------|---------------------------------------|
| <b>Flash Point</b>          | 39.4°C (103°F) - TAG Closed Cup | <b>Specific Gravity / Density</b> | 0.758                                 |
| <b>Flammable Limits (v)</b> | Lower 0.6%, Upper 5.5%          | <b>pH (± 0.3)</b>                 | NA                                    |
| <b>Auto-Ignition Temp.</b>  | 336°C (637°F)                   | <b>Viscosity</b>                  | 0.9 mm <sup>2</sup> /s @ 40°C (104°F) |
| <b>Physical State</b>       | Liquid                          | <b>Freeze Point</b>               | -51.111°C (-60°F)                     |
| <b>Appearance</b>           | Clear, Colorless                | <b>Boiling Point</b>              | 148.89 to 182.22°C (300 to 360°F)     |
| <b>Odor</b>                 | Mild Hydrocarbon                | <b>Vapor Density (air=1)</b>      | 4.5                                   |
| <b>Odor Threshold</b>       | ND                              | <b>Vapor Pressure (mmHg)</b>      | 1.55 mmHg                             |
| <b>Solubility</b>           | < 0.15% in cold or hot water    | <b>Evaporation Rate (nBuAc=1)</b> | 1.19                                  |
| <b>Volatiles</b>            | 100%                            | <b>Partition Coefficient</b>      | ND                                    |
| <b>VOC</b>                  | 100%                            | <b>Molecular Weight (g/mol)</b>   | ~192.18                               |
| <b>LVP-VOC</b>              | 0.0%                            | <b>Decomposition Temperature</b>  | ND                                    |

**SECTION – 10 STABILITY AND REACTIVITY**

|                                 |   |
|---------------------------------|---|
| <b>Reactivity</b>               | No specific test data related to reactivity available for this product or its ingredients |
| <b>Chemical Stability</b>       | Stable under normal ambient and anticipated conditions of use                             |
| <b>Hazardous Polymerization</b> | Will not occur  |
| <b>Conditions To Avoid</b>      | Heat sources, sparks, flame or static discharge and incompatible materials                |
| <b>Incompatible Materials</b>   | Incompatible with, oxidizing materials  |
| <b>Hazardous Decomposition</b>  | Burning or thermal decomposition can produce, carbon oxides, unburned hydrocarbons        |

**SECTION – 11 TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes "Aspiration Hazard"), Inhalation (Yes)

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | May cause eye irritation, discomfort, redness, tearing, burning sensation                             |
| <b>Skin</b>       | Can cause skin irritation, itching, inflammation, redness, drying or cracking                         |
| <b>Inhalation</b> | Mist, vapor or fumes may cause, dizziness, drowsiness, central nervous system depression              |
| <b>Ingestion</b>  | May be fatal if swallowed and enters airways, Symptoms may include, central nervous system depression |

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | Can cause eye irritation, redness, tearing, burning, or pain   |
| <b>Skin</b>       | Causes skin irritation, defatting of the skin which may lead to dermatitis   |
| <b>Inhalation</b> | Mist, vapor or fumes may cause, nausea, headache, dizziness, drowsiness, fatigue, central nervous system depression, vomiting, unconsciousness |
| <b>Ingestion</b>  | May be fatal if swallowed and enters airways, Symptoms may include, nausea, vomiting, abdominal pain, central nervous system depression        |

**Acute Tox Calculated**      **Oral:** > 5,000 mg/kg      **Dermal:** > 2,000 mg/kg      **Inhaled:** 5.3 mg/L

**Acute Tox Category** Not applicable (Oral >5,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Category 3 (Inhaled >2, ≤10 mg/L) Vapors

**Additional Info** Intentional misuse by deliberately concentrating and inhaling this product can be harmful or fatal, High pressure skin injection is a Serious Medical Emergency. The injury may not appear serious at first, but within a few hours tissues will become swollen, discolored and extremely painful, It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation

**Target Organs** Respiratory Tract, Central Nervous System

**Medical Conditions** Preexisting, central nervous system, respiratory, disorders may be aggravated by exposure to this product

**Notes to Physician** In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss, Contains petroleum distillates, vomiting may cause aspiration pneumonia

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

| <b><u>CHEMICAL NAME</u></b> | <b><u>NTP</u></b> | <b><u>ACGIH</u></b> | <b><u>IARC</u></b> | <b><u>GHS Category</u></b> |
|-----------------------------|-------------------|---------------------|--------------------|----------------------------|
| None Listed                 | NA                | NA                  | NA                 | NA                         |

**MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:**

| <b><u>CHEMICAL NAME</u></b> | <b><u>Germ Cell Mutagenicity</u></b> | <b><u>Toxic to Reproduction</u></b> |
|-----------------------------|--------------------------------------|-------------------------------------|
| None Listed                 | NA                                   | NA                                  |

**COMPONENTS ACUTE TOXICITY**

| <b><u>CHEMICAL NAME</u></b>    | <b><u>Type</u></b> | <b><u>Form</u></b> | <b><u>Subject</u></b> | <b><u>Result Value</u></b> | <b><u>Exposure Time</u></b> | <b><u>GHS Category</u></b> |
|--------------------------------|--------------------|--------------------|-----------------------|----------------------------|-----------------------------|----------------------------|
| Hydrotreated Light Distillates | LD50               | Dermal             | Rabbit                | >2,000 mg/kg               |                             | (>2000 mg/kg)              |
|                                | LD50               | Inhaled            | Rat                   | > 5.28 mg/L                | 4 Hour (Vapor)              | 3 (>2, ≤10 mg/L)           |
|                                | LD50               | Oral               | Rat                   | >5,000 mg/kg               |                             | (>2000 mg/kg)              |

**SECTION – 12 ECOLOGICAL INFORMATION**

| CHEMICAL NAME                  | Type | Subject                                      | Subject Latin | Result Value | Exposure Time | GHS Category     |
|--------------------------------|------|--|---------------|--------------|---------------|------------------|
| Hydrotreated Light Distillates | LC50 | Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) |               | 2.9 mg/L     | 96 Hours      | 2 (>1, ≤10 mg/L) |
|                                | EC50 | Water Flea ( <i>Daphnia magna</i> )          |               | 1.4 mg/L     | 48 Hours      | 2 (>1, ≤10 mg/L) |

**Presistence And Degradability** Based on similar materials, this product will have a significant tendency to partition to air, Hydrocarbons from this product which do partition to air are expected to rapidly photodegrade

**Bioaccumulative Potential** No data available


**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**

|                           |   |
|---------------------------|---|
| <b>Disposal Statement</b> | DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER<br>Dispose of any waste in accordance with all State and Federal Guidelines and Regulations   |
| <b>Container Disposal</b> | Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Empty drums should be returned to distributor or taken to an approved waste handling site for recycling or disposal  |
| <b>Material Disposal</b>  | 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****DOT CLASSIFICATION**

| UN Number  | Proper Shipping Name n.o.s. ( Chemicals ) or "Limits"         |                  |                          |          |                  |  |           |
|--|---|------------------|--------------------------|----------|------------------|--|-----------|
| UN 1268  | PETROLEUM DISTILLATES, n.o.s.(Hydrotreated Light Distillates) |                  |                          |          |                  |  |           |
| Hazard Class   | Packing Group   | Label Codes      | Reportable Quantity (lb) | Response | Marine Pollutant | Hazard Label   | Secondary |
| 3  | III   | Flammable Liquid | None                     | 128      | No               |  |           |
| <b>Additional Info:</b> This product may be reclassified as "Combustible Liquid" unless transported by vessel or aircraft. Nonbulk packages (less than or equal to 119 gallons) of Combustible Liquids are not regulated as hazardous materials. |   |                  |                          |          |                  |  |           |

**SECTION – 15 REGULATORY INFORMATION**

| TSCA  |  |   |    |                  |    |                            |    |                              |    |           |                               |                 |    |     |
|---|--|---|----|------------------|----|----------------------------|----|------------------------------|----|-----------|-------------------------------|-----------------|----|-----|
| CHEMICAL NAME   |  | Sec 8(b) Active Inventory   |    |                  |    | Sec 8(d) Health And Safety |    | Sec 4(a) Chemical Test Rules |    |           | Sec 12(b) Export Notification |                 |    |     |
| Hydrotreated Light Distillates  |  | 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 |    |     |
| None Listed   |  | .   |    |                  |    |                            |    |                              |    |           |                               |                 |    |     |
| SARA  |  | Section 311   |    |                  |    | Section 311 / 312 Hazards  |    |                              |    |           |                               |                 |    |     |
| CHEMICAL NAME   |  | Hazardous Chemical  |    | Acute            |    | Chronic                    |    | Flammable                    |    | Pressure  |                               | Reactive        |    |     |
| Hydrotreated Light Distillates  |  | Yes   |    | Yes              |    |                            |    | Yes                          |    |           |                               |                 |    |     |
| RIGHT TO KNOW   |  | STATE   |    |                  |    |                            |    |                              |    |           |                               |                 |    |     |
| CHEMICAL NAME   |  | CA  | CT | FL               | IL | LA                         | NJ | NY                           | PA | MI        | MN                            | MA              | RI | WI  |
| Hydrotreated Light Distillates  |  | Yes   |    |                  |    |                            |    |                              |    |           |                               |                 |    |     |
| CALIFORNIA  |  |  <b>WARNING:</b> This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |    |                  |    |                            |    |                              |    |           |                               |                 |    |     |
| CHEMICAL NAME   |  | CAS #   |    | Birth Defects    |    | Reproductive Harm          |    | Carcinogen                   |    |           | Developmental                 |                 |    |     |
| Toluene < 0.0001%   |  | 108-88-3  |    |                  |    | Yes                        |    |                              |    |           | Yes                           |                 |    |     |
| n-Hexane < 0.0001%  |  | 110-54-3  |    | Yes              |    | Yes                        |    |                              |    |           |                               |                 |    |     |
| Ethylbenzene < 0.0001%  |  | 100-41-4  |    |                  |    |                            |    | 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 < 0.0001%   |  | 108-88-3  |    |                  |    |                            |    |                              |    | Yes       |                               | Yes             |    | Yes |
| Ethylbenzene < 0.0001%  |  | 100-41-4  |    | Yes              |    |                            |    |                              |    | Yes       |                               | 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              |    |     |
| Hydrotreated Light Distillates  |  | Yes   |    | Yes              |    | Yes                        |    | Yes                          |    | Yes       |                               | Yes             |    |     |

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION**

|         |   |       |  |
|---------|---|-------|--|
| ~       | Approximately   | KD    | Kidney Damage (nephropathy)  |
| 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          | NE    | Not Established  |
| EPA     | Environmental Protection Agency                                       | NFPA  | National Fire Protection Association                                       |
| Eye     | (EI = Irritation) (ED = Damage) (EV = Visual Impairment)              | NIOSH | National Institute for Occupational Safety and Health                      |
| 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 | Lowest concentration that is toxic to 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)  |
| IG / IH | (IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)               | UEL   | Upper Explosive Limit  |

**Buckley Oil Company**

and nCites LLC 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.