

# ATHENA CHAMPION<sup>®</sup>

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

**24-Hour Emergency #: (U.S.) 1-800-535-5053 / (Outside U.S.) 352-323-3500**

### **SECTION I: Product & Company Identification**

Product Name: **Champ-Lube<sup>™</sup> 20 Plus**  
 Catalog Numbers: **30001, 30003, 30005, 30010, 30015**  
 Distributed by: Athena Champion  
 13705 Shoreline Court East  
 Earth City, MO 63045  
 1.800.253.1771

### **SECTION II: Health Hazard Information**

**Appearance:** Clear liquid with mild petroleum odor

**Hazards:** Causes eye irritation. May cause skin, respiratory tract, and mucous membrane irritation. May cause nervous system effects.

**Routes of Entry & Symptoms of Exposure:**

**Ingestion:** May cause nervous system effects. Ingestion of large amounts may cause intestinal blockage. If drawn into lungs from swallowing or vomiting, may cause bronchopneumonia or pulmonary edema.

**Inhalation:** May cause respiratory tract and mucous membrane irritation as well as nervous system effects. If product is misted at elevated temperature, high concentration of vapor and/or mist may cause irritation, experienced as nasal discomfort and discharge.

**Skin Contact:** Frequent or prolonged contact may cause irritation and/or rash

**Eye Contact:** Irritating to the eyes, but will not cause injury to the eye tissue

**HMIS Ratings:** Health (1\*); Flammability (1); Reactivity (0)

\*See Section 16

### **SECTION III: Hazardous Components**

Component	CAS #	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub>	Exposure Limit (ACGIH)	Exposure Limit (OSHA)	Immediately Dangerous to Life and Health (IDLH)
Acrylic Copolymer	Trade Secret	NA	NA	NA	NA	NA
Dioctyl Phthalate	117-81-7	>30000 mg/kg (Rat/Oral) >24500 mg/kg (Rabbit/Dermal)	NA	TWA-TLV: 5 mg/m <sup>3</sup> STEL-TLV: ND	TWA-PEL: 5 mg/m <sup>3</sup> STEL-PEL: ND	5000 mg/m <sup>3</sup>
Isopropylated Triphenyl Phosphate	68937-41-7	NA	NA	NA	NA	NA
Polyolester	68424-328	NA	NA	NA	NA	NA
Mineral Oil	8042-47-5	>2 g/kg (Rat/Dermal) >5 g/kg (Rat/Oral)	>5 mg/L (Rat)	(Oil mist) TWA-TLV: 5 mg/m <sup>3</sup> STEL-TLV: 10 mg/m <sup>3</sup>	(Oil mist) TWA-PEL: 5 mg/m <sup>3</sup> STEL-PEL: ND	(Oil mist) 2500 mg/m <sup>3</sup>

## **SECTION IV: First Aid Procedures**

**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cups of water. Never give anything by mouth to an unconscious person. Call physician immediately.

**Skin Contact:** Remove contaminated clothing. Wash well with soap and water for at least 15 minutes. Launder clothes prior to reuse.

**Inhalation:** If excessive fumes, remove victim to fresh air. If not breathing, qualified personnel may provide artificial respiration. If no relief is obtained, consult physician.

**Eye Contact:** Flush with clean tepid water for 15 minutes keeping eyelids open. If irritation persists, consult physician.

**Notes to Physician:** Treat symptomatically.

## **SECTION V: Fire Fighting Measures**

<b>Flammability</b>	Non-flammable at ambient temperature. Liquid may burn at temperatures above flash point if exposed to an open flame.
<b>Means of Extinction</b>	Carbon dioxide foam, dry chemicals. Keep containers cool with water spray. When fighting fire, treat as petroleum product, wear full protective clothing, including NIOSH approved self-contained breathing apparatus. Avoid spreading with water flooding.
<b>Flash Point (ASTM D92)</b>	NNL 690G: 170°C (338°F); Mineral Oil: 160°C (>320°F)
<b>Upper Flammability Limits</b>	Not Determined
<b>Lower Flammability Limits</b>	Not Determined
<b>Auto Ignition Temperature</b>	Not Determined
<b>Hazardous Combustion Products</b>	Oxides of carbon, phosphorus and chlorine, hydrogen chloride, hydrogen sulfide, dense smoke.
<b>Fire and Explosion Hazards</b>	None
<b>Sensitivity to Impact</b>	None at normal temperatures below flash point. Do not cut, weld, or pressurize empty container.
<b>Static Discharge</b>	Container may explode in heat of fire
<b>Unusual Fire &amp; Explosion Hazards</b>	Mineral oil may burn, but will not ignite readily. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

## **SECTION VI: Accidental Release Measures**

**For small spills:** Absorb on inert material such as earth, sand, vermiculite. Sweep up and collect in a suitable container for disposal. Observe government regulations.

**For large spills:** Stop leak if without risk. Dike to contain spill. Pump excess material into suitable container (metal drums, metal tanks, or such)

**Environmental precautions:** Product has very low solubility in water. Do not flush to sewers, streams, or other bodies of water. For disposal, see Section 13.

## **SECTION VII: Handling and Storage**

Follow good industrial hygiene practices to avoid exposure. Avoid excess heat, formation of oil mist, breathing vapors and mist from hot oil, and prolonged or repeated contact with skin. Store in a cool, dry, well-ventilated area away from heat and all sources of ignition. Store only in approved containers and keep containers tightly closed. Empty containers retain residue and may be dangerous. Protect containers against physical damage. Keep away from any incompatible material (see Section X).

## **SECTION VIII: Personal Protection**

**Engineering Controls:** For normal application, special ventilation is not necessary. If user's operation generates mist, use ventilation to keep exposure to airborne contaminants below exposure limits.

**Respiratory Protection:** Use approved respirator with dual organic vapor/mist and particulate cartridge if vapor concentration exceeds permissible exposure limit.

**Eye Protection:** Use chemical splash goggles if risk of splashing present.

**Skin Protection:** Use rubber or plastic apron.

**Hand Protection:** Use oil resistant gloves.

## **SECTION IX: Physical and Chemical Properties**

<b>Physical State</b>	Liquid
<b>Odor</b>	Mild petroleum odor
<b>Appearance</b>	Clear
<b>Odor Threshold</b>	Not established
<b>Specific Gravity</b>	NNL 690G: 0.965 @ 20°C (68°F); Mineral Oil: ~0.83 @ 15.6°C (60°F)
<b>Vapor Pressure</b>	NNL 690G: <1.00 mmHg @ 20°C, may be as low as <0.02 mmHg @ 20°C; Mineral Oil: <0.1 mmHg
<b>Vapor Density (Air = 1)</b>	NNL 690G: NA; Mineral Oil: >1
<b>Evaporation Rate (nBuAc = 1)</b>	NNL 690G: NA; Mineral Oil: <1
<b>Boiling Point</b>	NNL 690G: >230°C (>446°F); Mineral Oil: 260-428°C (500-800°F)
<b>Pour Point</b>	NNL 690G: -35°C (-31°F)
<b>Solubility in Water</b>	Insoluble
<b>pH</b>	NA
<b>Partitioning Coefficient</b>	NA

## **SECTION X: Stability and Reactivity**

<b>Stability</b>	Stable
<b>Incompatibility</b>	Avoid contact with oxidizing agents, reducing agents, alkali metals, alkaline earth metals, and ignition sources. Iron, zinc, and aluminum avoided at high temperatures.
<b>Reactivity</b>	No reactivity
<b>Polymerization</b>	Will not occur
<b>Decomposition Products</b>	Oxides of carbon, phosphorus, and chlorine, hydrogen chloride, hydrogen sulfide, dense smoke

## **SECTION XI: Toxicological Information**

**Effects of Acute Exposure:** Product is irritating to the eyes. Breathing mist caused by high temperature or swallowing large quantities may be irritating to the skin, respiratory system, mucous membranes, and eyes.

**Effects of Chronic Exposure:** Repeated exposure over prolonged periods of time may cause irritation to the skin and respiratory system. It may also cause liver, adrenal, thymus, reproductive, developmental, and neurological effects. Repeated and prolonged contact may also cause sensitization in some individuals.

**Carcinogenicity:** This product contains material that has been listed as a carcinogen or potential carcinogen by either the National Toxicology Program, International Agency for Research on Cancer, or the Occupational Safety and Health Administration:

Diocyl Phthalate (117-81-7): ACGIH A3 – Confirmed animal carcinogen with unknown relevance to humans.

**Reproductive Toxicity:** This product contains materials that have shown adverse reproductive effects in experimental animals. Reproductive studies in rats and mice: after oral administration, indications of a fetotoxic effect and disturbances of the reproduction ability occurred.

**Teratogenicity:** Boys of moms highly exposed to phthalates show stunted genitals. The higher the level of phthalates in the mothers during the final months of pregnancy, the less masculine their boys were when examined by pediatricians (Pittsburgh Post-Gazette 5/27/05)

**Embryotoxicity:** No information is available and no adverse effects are anticipated

**Mutagenicity:** No information is available and no adverse effects are anticipated

**Toxicologically Synergistic Products:** NA

## **SECTION XII: Ecological Information**

No specific environmental fate data is available. This product is not expected to be readily biodegradable.

This product contains materials that are considered to be marine pollutants. Avoid releasing into the environment.

## **SECTION XIII: Disposal Considerations**

**RCRA 40 CFR 261 Classification:** Not listed

**US EPA Waste Number/Classification:** Not available

**Waste Disposal:** Dispose of in compliance with all federal, state, provincial, and local regulations. Incinerate in a furnace or bury in an approved landfill where permitted under appropriate federal, provincial, and local regulations.

## **SECTION XIV: Transport Information**

**Department of Transport:** Regulated under DOT

**TDG – Canada:** Regulated under TDG

**DOT/TDG Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Contains triaryl phosphates, isopropylated and triethyl phosphate.)

**DOT/TDG Hazard Class:** 9

**Product Identification Number:** UN3082

**Packing Group:** III

**DOT/TDG Labels:** Primary – Miscellaneous; Subsidiary – Marine Pollutant

**DOT/TDG Placards:** None required

## **SECTION XV: Regulatory Information**

**CPR Compliance:** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all of the information required by those regulations.

**OSHA Hazard Communication Standards 29CFR 1910.1200:** This product is not known to contain any of the carcinogens required to be listed under OSHA Hazards Communication Standards 29 CFR 1910.1200

**WHMIS Classification:** This is a controlled product under WHMIS.

D2A: Materials Causing Other Toxic Effects: Very Toxic

D2B: Materials Causing Other Toxic Effects: Toxic

**CERCLA:** Contains chemicals listed on CERCLA (40CFR 302.4). If this product is accidentally spilled, it is subject to special reporting under requirements of the Comprehensive Environmental Response and Liability Act. Contact local authorities to determine if there are local reporting requirements.

CAS 117-81-7: 100lb final RQ; 45.4kg final RQ

**SARA Title III Section 311/312:** Under the provisions of Title III, Section 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard category: ACUTE, CHRONIC, IMMEDIATE, DELAYED.

**SARA Title III Section 313:** This product does contain more than 1% of any of the chemical substances listed under SARA Title III Section 313.

CAS 117-81-7

**RCRA:** Contains chemicals listed on the RCRA (40 CFR 261.33) for hazardous waste.

CAS 117-81-7: Waste Number U028

**NPRI:** Contains chemicals listed in the NPRI under Canadian EPA.

CAS 117-81-7: Part 1A Substances

### **Chemical Inventory**

**Canada:** The ingredients of this product are on the DSL.

**United States:** The ingredients of this product are on the TSCA.

## **SECTION XVI: Other Information**

### **HMIS Information**

<b>Degree of Hazard</b>	<b>HMIS Rating</b>
4 = Severe	Health = 1*
3 = Serious	
2 = Moderate	Flammability = 1
1 = Slight	
0 = Minimal	Reactivity = 0
* = Chronic	

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