



Safety Data Sheet AP Lube 190

SECTION 1: Identification

Product identifier

Product name AP Lube 190

Recommended use of the chemical and restrictions on use

Pump lubricant and ISO neutralizer. No restrictions known.

Supplier's details

Name Alchemy-Spetec
Address 4508 Bibb Blvd
Tucker GA 30084

Telephone (404) 618-0438

Emergency phone number(s)

Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with 29 CFR 1910.1200

- Carcinogenicity, Cat. 2
- Reproductive toxicity, Cat. 1B

GHS label elements

Pictogram



Signal word

Danger

Hazard statement(s)

H351
H360

Suspected of causing cancer
May damage fertility or the unborn child

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Precautionary statement(s)

Prevention

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

Response

P308 + P313 IF exposed or concerned: Get medical advice/ attention

Storage

P405 Store locked up

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant

Other hazards which do not result in classification

No data available.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
bis(2-ethylhexyl) phthalate (CAS no.: 117-81-7)	100 % (weight)*

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled Remove to fresh air. Treat symptomatically. Get medical advice/ attention.
In case of skin contact Wash off with soap and water. Get medical attention if symptoms occur.
In case of eye contact In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed Seek medical advice.

Most important symptoms/effects, acute and delayed

Suspected of causing cancer. May damage fertility or the unborn child.

Notes to physician

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray to extinguish. Dry chemical. Carbon dioxide (CO₂). Foam.

Unsuitable extinguishing media

None known.

Specific hazards during fire fighting

None known.

Hazardous combustion products

No hazardous combustion products are known.

Further information

None known.

Special protective equipment for fire-fighters

Wear an approved positive pressure self-contained breathing apparatus in addition to standard firefighting gear.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. Avoid release to the environment.

Environmental precautions

Avoid release to the environment.

Methods and materials for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7: Handling and storage

Advice on protection against fire and explosion

None known.

Advice on safe handling

Do not taste or swallow. Wash thoroughly after handling.

Conditions for safe storage

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
di(2-ethylhexyl) phthalate (DEHP)	117-81-7	TWA	5 mg/m ³	ACGIH
		TWA	5 mg/m ³	NIOSH REL
		ST	10 mg/m ³	NIOSH REL
		TWA	5 mg/m ³	OSHA Z-1

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		TWA	5 mg/m ³	OSHA P0
		STEL	10 mg/m ³	OSHA P0

Engineering measures

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hand protection

Wear suitable gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing.

Protective measures

Wear suitable protective equipment.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

Appearance	Liquid
Color	Colorless
Odor	Slight
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	-58 °F / -50 °C
Boiling point/boiling range	723 °F / 384 °C
Flash point	421 °F / 216 °C Method: Cleveland open cup
Evaporation rate	No data available.
Upper explosion limit / Upper flammability limit	No data available.
Vapor pressure	0.0000001 mbar (68 °F / 20 °C)
Relative vapor density	13.5
Relative density	0.985 (68 °F / 20 °C)
Solubility(ies) - Water solubility	0.1 g/l
Partition coefficient: noctanol/water	Pow: 75,858, log Pow: 4.88
Autoignition temperature	720 °F / 382 °C Method: ASTM D2155
Decomposition temperature	> 739 °F / > 393 °C Method: DTA No exotherm

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Viscosity	
Viscosity, dynamic	56.6 mPa.s (77 °F / 25 °C)
Viscosity, kinematic	57.46 mm ² /s (77 °F / 25 °C)
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

Reactivity

Stable under recommended storage conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None known. Stable.

Conditions to avoid

None known.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon dioxide (CO₂). Carbon monoxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not classified based on available information.

Acute oral toxicity

LD₅₀ Oral (Rat): > 5,000 mg/kg

Acute inhalation toxicity

LC₅₀ (Rat): > 10.62 mg/l

Exposure time: 4 h

Remarks: (highest concentration tested)

Acute dermal toxicity

LD₅₀ Dermal (Rabbit): 19,800 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Species: Rabbit

Exposure time: 24 h

Result: Slight

Serious eye damage/eye irritation

Not classified based on available information.

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Species: Rabbit
Result: None

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Test Type: Skin Sensitization

Species: Guinea pig

Result: None

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

IARC 2B: possibly carcinogenic to humans.

NTP reasonably anticipated to be a carcinogen.

OSHA Not Listed.

Carcinogenicity - Assessment

IARC 2B: possibly carcinogenic to humans.

NTP reasonably anticipated to be a carcinogen.

IARC Group 2B: Possibly carcinogenic to humans
di(2-ethylhexyl) phthalate (DEHP) 117-81-7

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP Reasonably anticipated to be a human carcinogen

Reproductive toxicity

May damage fertility or the unborn child.

Effects on fertility

No data available.

Reproductive toxicity - Assessment

May damage fertility or the unborn child.

STOT-single exposure

Not classified based on available information.

Remarks: No data available.

STOT-repeated exposure

Not classified based on available information.

Remarks: No data available.

Aspiration toxicity

Not classified based on available information.

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Product: No data available.

Information on likely routes of exposure

Inhalation: Remarks: None known.
Skin contact: Remarks: None known.
Eye contact: Remarks: None known.
Ingestion: Remarks: None known.

Further information

DEHP, di (2-ethylhexyl) phthalate, was administered to rats and mice in a lifetime bioassay sponsored by the U.S. National Toxicology Program (NTP). High feed concentrations (mice: 3000 and 6000 ppm; rats: 6000 and 12,000 ppm) were used because of the very low toxicity of di (2-ethylhexyl) phthalate. Liver tumors were produced at both dose levels in each species. Oral doses of this material that were high enough to cause toxicity in pregnant animals also produced some minor abnormalities in their offspring. High oral doses of this material given to male animals produced reduced fertility. However, high doses to humans handling this material are not expected since oral consumption is not a likely route of significant exposure. DEHP probably presents a negligible carcinogenic risk to humans at exposure levels typical of occupational or consumer use.

SECTION 12: Ecological information

Ecotoxicity

Toxicity to fish

LC50 (Pimephales promelas (fathead minnow)): > 0.67 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

NOEC: (Pimephales promelas (fathead minnow)): > 0.67 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.32 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

NOEC: (Oncorhynchus mykiss (rainbow trout)): > 0.32 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

LC50 (Cyprinodon variegatus (sheepshead minnow)): > 0.17 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

NOEC: (Cyprinodon variegatus (sheepshead minnow)): > 0.17 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in sea water)

LC50 (Lepomis macrochirus (Bluegill sunfish)): > 0.20 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

NOEC: (Lepomis macrochirus (Bluegill sunfish)): > 0.20 mg/l

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Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

Toxicity to daphnia and other aquatic invertebrates

LC50 (Daphnia magna (Water flea)): > 0.16 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

NOEC: (Daphnia magna (Water flea)): > 0.16 mg/l
Exposure time: 96 h
Remarks: (limit of solubility in fresh water)

Toxicity to algae
EC50 (Selenastrum capricornutum (green algae)): > 0.10 mg/l
Exposure time: 96 h

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Disposal methods

Waste from residues: Dispose of in accordance with local regulations.

SECTION 14: Transport information

International Regulations

IATA-DGR

UN/ID No.: UN 3082

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
(bis(2-ethylhexyl) phthalate)

Class: 9

Packing group: III

Labels: Miscellaneous

Packing instruction (cargo aircraft): 964

Packing instruction (passenger aircraft): 964

IMDG-Code

UN number: UN 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis(2-ethylhexyl) phthalate)

Class: 9

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Packing group: III
Labels: 9
EmS Code : F-A, S-F
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number: UN 3082

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
(bis(2-ethylhexyl) phthalate)

Class: 9

Packing group: III

Labels: Class 9 - Miscellaneous Dangerous Goods

ERG Code: 171

Marine pollutant: No

Remarks: 9, Packing Group III when material is shipped in quantities in one package at or above the Reportable Quantity and when no other hazard class applies; otherwise, not regulated.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15: Regulatory information

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
di(2-ethylhexyl) phthalate (DEHP)	117-81-7	100	100 (U028)

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

SARA 311/312 Hazards

Chronic Health Hazard

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

di(2-ethylhexyl) phthalate 117-81-7 (DEHP)

California Prop. 65

WARNING: This product can expose you to chemicals including di(2-ethylhexyl) phthalate (DEHP), which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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The ingredients of this product are reported in the following inventories:

CH INV	On the inventory, or in compliance with the inventory
DSL	On the inventory, or in compliance with the inventory
AICS	On the inventory, or in compliance with the inventory
NZIoC	On the inventory, or in compliance with the inventory
ENCS	On the inventory, or in compliance with the inventory
ISHL	On the inventory, or in compliance with the inventory
KECI	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory
TCSI	On the inventory, or in compliance with the inventory
TSCA	On the inventory, or in compliance with the inventory

TSCA list

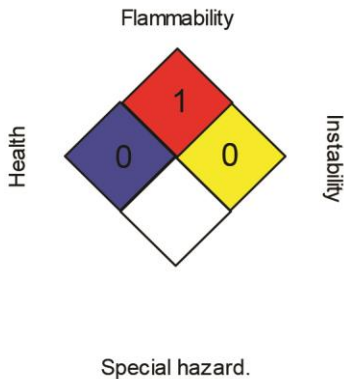
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: Other information

Further information

NFPA 704:



HMIS® IV:

HEALTH	*	0
FLAMMABILITY	1	
PHYSICAL HAZARD	0	

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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Full text of other abbreviations

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	USA. NIOSH Recommended Exposure Limits
OSHA P0	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	8-hour, time-weighted average
NIOSH REL / TWA	Time-weighted average concentration for up to a 10-hour work day during a 40-hour work week
NIOSH REL / ST	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	8-hour time weighted average
OSHA P0 / STEL	Short-term exposure limit
OSHA Z-1 / TWA	8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Further information/disclaimer

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