

SAFETY DATA SHEET

SDS: 1299

1299 ALMAPLEX® ULTRA-SYN LUBRICANT

Issuing Date 04-24-2012

Revision Date 02-14-2019

Revision Number 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name 1299 ALMAPLEX® ULTRA-SYN LUBRICANT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Lubricant

Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Importer

Master Fluid Solutions
501 W. Boundary Street
Perrysburg, OH 43551
USA
+1 419-874-7902

Manufacturer

Lubrication Engineers Inc.
1919 E. Tulsa
Wichita, KS 67216
USA
800-537-7683

For further information, please contact

techsupport@le-inc.net

1.4. Emergency telephone number

Emergency Telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

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Section 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture***Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label Elements**Product Identifier**Contains Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]**Signal word**

None

Hazard Statements

EUH210 - Safety data sheet available on request

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Chemical name	EC-No	CAS No.	Weight-%	Classification (Reg. 1272/2008)	REACH Registration Number
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	-	68037-01-4	40 - 50	No data available	no data available
antimony dialkyldithiocarbamate	Present	15890-25-2	1 - 5	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Chronic 2 (H411)	no data available

The producer of "1299" declares that it contains less than 3% DMSO extractable material by IP-346

Full text of H- and EUH-phrases: see section 16**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****General Advice**

If symptoms develop move victim to fresh air. Show this safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapors/spray.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Skin Contact

Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing

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before re-use. Wash off immediately with plenty of water.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Call a physician if irritation persists.

Ingestion

Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of First-aiders

Use personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

None known.

4.3. Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media****Suitable Extinguishing Media**

Water spray, Carbon dioxide (CO₂), Foam, Dry chemical

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Flash Point

232 °C / 449.6 °F

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up

Use personal protective equipment. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for more information.

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Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Prevent vapor buildup by providing adequate ventilation during and after use. Do not eat, drink or smoke when using this product.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational Exposure limits**

Chemical name	European Union	The United Kingdom	France	Spain	Germany
antimony dialkyldithiocarbamate 15890-25-2	-	STEL 1.5 mg/m ³ TWA 0.5 mg/m ³	TWA 0.5 mg/m ³ C1 C2	TWA 0.5 mg/m ³	-
Chemical name	Italy	Portugal	The Netherlands	Finland	Denmark
antimony dialkyldithiocarbamate 15890-25-2	-	TWA 0.5 mg/m ³	TWA 0.5 mg/m ³	TWA 0.5 mg/m ³	TWA 0.5 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
antimony dialkyldithiocarbamate 15890-25-2	STEL 1.5 mg/m ³ TWA 0.5 mg/m ³	-	-	TWA 0.5 mg/m ³ K** STEL 1.5 mg/m ³	TWA 0.5 mg/m ³ STEL 1.5 mg/m ³
Chemical name	Hungary	Belgium	Czech Republic	Greece	Sweden
antimony dialkyldithiocarbamate 15890-25-2	-	TWA 0.5 mg/m ³	TWA 0.5 mg/m ³ Ceiling 1.5 mg/m ³	TWA 0.5 mg/m ³	LLV 0.25 mg/m ³

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye/Face Protection**

Tightly fitting safety goggles.

Hand Protection

Protective gloves.

Skin and Body Protection

Long sleeved clothing.

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Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental Exposure Controls

Do not allow material to contaminate ground water system.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	Paste
appearance	Gold
Odor	Hydrocarbon-like
Odor threshold	No information available

<u>Property</u>	<u>Values</u>
pH	6 - 8
Melting Point / Freezing Point	No data available
Boiling point / boiling range	No data available
Flash Point	232 °C / 449.6 °F
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Vapor Density	< 1 (Air = 1)
Specific Gravity	0.95
Water solubility	negligible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity, kinematic	not applicable
Explosive properties	No data available
Oxidizing Properties	No data available

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

None known.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact Not impact sensitive.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Hazardous reactions None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

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10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

The producer of "1299" declares that it contains less than 3% DMSO extractable material by IP-346

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	May cause irritation.
Ingestion	There is no data available for this product.

Unknown Acute Toxicity 90.85% of the mixture consists of ingredient(s) of unknown toxicity.**The following values are calculated based on chapter 3.1 of the GHS document**

ATEmix (dermal)	14,847.90 mg/kg
ATEmix (inhalation-dust/mist)	7.38 mg/l

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated heavy naphthenic	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
antimony dialkyldithiocarbamate	> 16400 mg/kg (Rat)	> 16000 mg/kg (Rabbit)	-
methylene bis(dibutyldithiocarbamate)	= 16000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	> 5000 mg/kg (Rat)	-	-
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	= 3600 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-
Mineral Oil	> 5000 mg/kg (Rat) > 24 g/kg (Rat)	-	= 2062 ppm (Rat) 4 h
Titanium Dioxide	> 10000 mg/kg (Rat)	-	-
Iron Oxide	> 10000 mg/kg (Rat)	-	-
Diphenylamine	= 1120 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

Skin corrosion/irritation No information available.**Serious eye damage/eye irritation** No information available.**Sensitization** No information available.**Mutagenic Effects** No information available.**Carcinogenic Effects**

Chemical name	European Union
antimony dialkyldithiocarbamate	Category 2

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Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Central Vascular System (CVS), Respiratory system, Eyes, Skin.
Aspiration Hazard	No information available.

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecotoxicity Toxic to aquatic life with long lasting effects

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Mobility in soil No information available.

Mobility The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Waste from Residues/Unused Products Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated Packaging Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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OTHER INFORMATION

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG Not regulated

ADR/RID Not regulated

ICAO/IATA Not regulated

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Water hazard class (WGK) 3

International Inventories

TSCA	Complies
DSL/NDL	Not determined
EINECS/ELINCS	Not determined
ENCS	Not determined
IECSC	Not determined
KECL	Not determined
PICCS	Not determined
AICS	Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment No information available

Section 16: OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed
 H332 - Harmful if inhaled
 H411 - Toxic to aquatic life with long lasting effects

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Reason for revision Formulation.

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Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SDS is available at www.LElubricants.com**End of Safety Data Sheet**