

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : PennGrade 1 Break-in Oil SAE 30

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricant  
Restrictions on use : No additional information available

#### 1.3. Supplier

D-A Lubricant Company, Inc.  
801 Edwards Dr  
Lebanon, IN, 46052  
T 317-923-5321, Toll Free 1-800-873-2582  
[www.dalube.com](http://www.dalube.com)

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 Toll-Free / Local + 1-703-527-3887 USA/CAN 24 hours

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Reproductive toxicity Category 2 H361 Suspected of damaging fertility or the unborn child  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS) :



Signal word (GHS) : Warning  
Hazard statements (GHS) : H361 - Suspected of damaging fertility or the unborn child  
Precautionary statements (GHS) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear Protective gloves, eye protection.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS)

4.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
4.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
4.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%)	CAS-No.: 64742-54-7	70 - 80	Asp. Tox. 1, H304
Zinc alkyl dithiophosphate	CAS-No.: 113706-15-3	~ 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
tetrapropenylphenol	CAS-No.: 74499-35-7	0.1 - <0.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin thoroughly with mild soap and water.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. If you feel unwell, seek medical advice.

### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Suspected of damaging fertility or the unborn child.
- Symptoms/effects after inhalation : Inhalation of vapors may cause respiratory irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Burning produces irritating, toxic and noxious fumes.

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all eye and skin contact and do not breathe vapor and mist. Use personal protective equipment as required.

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### 6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.  
Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers. Collect spillage.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.  
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place.  
Incompatible products : Strong bases. Strong acids. Strong oxidizers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>PennGrade 1 Break-in Oil SAE 30</b>	
No additional information available	
<b>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%) (64742-54-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Zinc alkyl dithiophosphate (113706-15-3)</b>	
No additional information available	
<b>tetrapropenylphenol (74499-35-7)</b>	
No additional information available	

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid creating mist or spray. Avoid splashing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

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### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves

#### Eye protection:

Chemical goggles or safety glasses

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Green
Odor	: petroleum
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 185 °C Flash point test: D92
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 83.6 mm <sup>2</sup> /s @ 40°C
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

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Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

PennGrade 1 Break-in Oil SAE 30	
Unknown acute toxicity (GHS)	4.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 4.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 4.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rabbit	> 2000 mg/kg
LC50 Inhalation rat	> 5.53 mg/l/4h

Zinc alkyl dithiophosphate (113706-15-3)	
LD50 Oral rat	2600 mg/kg
LD50 Dermal rabbit	> 3160 mg/kg
ATE (oral)	2600 mg/kg body weight

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified.  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Suspected of damaging fertility or the unborn child.  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : 83.6 mm<sup>2</sup>/s @ 40°C  
Likely routes of exposure : Inhalation. Skin and eye contact.  
Potential Adverse human health effects and symptoms : Suspected of damaging fertility or the unborn child.  
Symptoms/effects after inhalation : Inhalation of vapors may cause respiratory irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)	
EC50 crustacea	> 10000 mg/l

Zinc alkyl dithiophosphate (113706-15-3)	
LC50 fish 1	4.5 mg/l 96 h Rainbow trout

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tetrapropenylphenol (74499-35-7)	
NOEC (chronic)	0.002 mg/l

### 12.2. Persistence and degradability

PennGrade 1 Break-in Oil SAE 30	
Persistence and degradability	Not established.

Zinc alkyl dithiophosphate (113706-15-3)	
Persistence and degradability	Not readily biodegradable.

tetrapropenylphenol (74499-35-7)	
Persistence and degradability	Product persists.

### 12.3. Bioaccumulative potential

PennGrade 1 Break-in Oil SAE 30	
Bioaccumulative potential	Not established.

Zinc alkyl dithiophosphate (113706-15-3)	
Log Pow	0.9

tetrapropenylphenol (74499-35-7)	
Log Pow	7.17

### 12.4. Mobility in soil

Zinc alkyl dithiophosphate (113706-15-3)	
Ecology - soil	Absorbs to soil particles and will not be mobile.

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated  
Proper Shipping Name (TDG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not regulated

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### **TDG**

Transport hazard class(es) (TDG) : Not regulated

### **IMDG**

Transport hazard class(es) (IMDG) : Not regulated

### **IATA**

Transport hazard class(es) (IATA) : Not regulated

### **14.4. Packing group**

Packing group (DOT) : Not regulated

Packing group (TDG) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

### **14.5. Environmental hazards**

Other information : No supplementary information available.

### **14.6. Special precautions for user**

#### **DOT**

No data available

#### **TDG**

No data available

#### **IMDG**

No data available

#### **IATA**

No data available

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

Not applicable

## **SECTION 15: Regulatory information**

### **15.1. US Federal regulations**

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### **15.2. International regulations**

#### **CANADA**

##### **Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)**

Listed on the Canadian DSL (Domestic Substances List)

##### **Zinc alkyl dithiophosphate (113706-15-3)**

Listed on the Canadian DSL (Domestic Substances List)

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### tetrapropenylphenol (74499-35-7)

Listed on the Canadian NDSL (Non-Domestic Substances List)

### EU-Regulations

#### Zinc alkyl dithiophosphate (113706-15-3)


Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

 **WARNING:** This product can expose you to Benzene, which is 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](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

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Data sources : European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

### Full text of H-phrases

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

### Abbreviations and acronyms

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average



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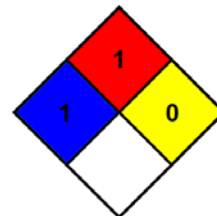
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### Abbreviations and acronyms

WEL: Workplace Exposure Limit

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.  
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.  
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.