



Lubegard Complete Synthetic Power Steering Fluid

Safety Data Sheet

According to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

Date of issue: 12/15/2015

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Version: 2.0

SECTION 1: Identification

1.1. Identification

Product Name : Lubegard Complete Synthetic Power Steering Fluid

Product Code : 21215, 23205, 23232, 23255, 23330

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

Use of the substance/mixture : Power steering fluid

1.3. Details of the supplier of the safety data sheet

Supplier

International Lubricants, Inc.
309 S. Cloverdale Street, D31
Seattle, WA 98108
(206) 762-5343
(800) 333-LUBE (5823)
contact@lubegard.com

1.4. Emergency telephone number

Emergency number : ChemTel (800) 255-3924
ChemTel (813) 248-0585

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

GHS classification

Skin Sensitizer, Category 1

2.2. Label elements

GHS labelling

Hazard pictograms



Signal Word :Warning

Hazard Statements :H317 - May cause an allergic skin reaction

Precautionary Statements :P261 - Avoid breathing dust/fume/gas/mist vapors/spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 - IF ON SKIN: Wash with soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%
Lubricating oils, petroleum, C ₂₀ to C ₅₀ , hydrotreated neutral oil based	(CAS-No.) 72623-87-1	10 - 30
Distillates, petroleum, hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7	3 - 7
Distillates, petroleum, hydrotreated light paraffinic	(CAS-No.) 64742-55-8	1 - 5
Distillates, petroleum, solvent-dewaxed heavy paraffinic	(CAS-No.) 64742-65-0	1 - 5
Distillates, petroleum, solvent-dewaxed light paraffinic	(CAS-No.) 64742-56-9	1 - 5
2-Propanol, 1-(tert-dodecylthio)-	(CAS-No.) 67124-09-8	0.1 - 1
Long chain hydroxyalkylamine	(CAS-No.) Proprietary	0.1 - 1
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	(CAS-No.) 61791-44-4	< 1

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs, get medical attention/advice.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, but are not limited to oxides of carbon, or oxides of nitrogen.

5.3. Special protective equipment and precautions for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite, or other appropriate material), then place in a suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Lubricating oils, petroleum, C ₂₀ - C ₅₀ , hydrotreated neutral oil-based (72623-87-1)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ as oil mist
ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ as oil mist
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ as oil mist
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ as oil
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ as oil mist
NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³ as oil mist
Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (inhalable fraction)
OSHA	OSHA PEL (mg/m ³)	5 mg/m ³ (mist)
Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)		
ACGIH	ACGIH TLV (TWA) (mg/m ³)	5 mg/m ³ (inhalable fraction)
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³ (mist)
Distillates, petroleum, solvent-dewaxed light paraffinic (64742-56-9)		
ACGIH	ACGIH (TWA) (mg/m ³)	5 mg/m ³ (mist)
OSHA	OSHA (TWA) (mg/m ³)	5 mg/m ³ (mist)
2-Propanol, 1-(tert-dodecylthio)- (67124-09-8)		
Not applicable		
Long chain hydroxyalkylamine (Proprietary)		
Not applicable		
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (61791-44-4)		
Not applicable		

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

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Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures / Personal protective equipment

Hand protection : Wear suitable gloves resistant to chemical penetration
Eye protection : Safety glasses or goggles are recommended when using product.
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Transparent liquid
Colour : Yellow
Odour : No data available
Odour 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 : 229°C / 444 °F (ASTM D92)
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : 0.83 (at 16°C / 60°F)
Solubility : No data available
Partition coefficient n-octanol/water : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : 37 cSt (at 40°C / 104°F)
Viscosity, dynamic : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxidizers

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10.6. Hazardous decomposition products

May include, but are not limited to oxides of carbon, oxides of nitrogen.

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.

Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based (72623-87-1)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	≥ 5.5 mg/L, 4 hours

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 5 mg/L

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)

LC50 inhalation rat	3900 mg/m ³ (Exposure time: 4 hours)
ATE US (gases)	4500 ppm V/4 hours
ATE US (vapors)	11 mg/L, 4 hours

Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)

LD50 oral rat	> 15000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat	> 2400 mg/m ³ , 4 hour exposure time

Distillates, petroleum, solvent-dewaxed light paraffinic (64742-56-9)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat	> 5399 mg/m ³ , 4 hour exposure time

2-Propanol, 1-(tert-dodecylthio)- (67124-09-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (61791-44-4)

LD50 oral rat	630 mg/kg
LD50 dermal rabbit	> 1500 mg/kg

Serious eye damage/irritation	: Not classified
Skin corrosion/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, Kinematic @ 40°C	: 37 cSt
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

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Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: Ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
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Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based (72623-87-1)	
LC50 Fish	> 100 mg/l (Exposure time: 96 hours - Species: Fathead minnow)
EC50 Crustacea	> 10,000 mg/l (Exposure time: 48 hours - Species: Daphnia magna)
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
LC50 Fish	> 1000 mg/L
EC50 Crustacea	> 100 mg/l (Exposure time: 48 hours - Species: Daphnia magna)

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
LC50 Fish	> 5000 mg/l (Exposure time: 96 hours - Species: Oncorhynchus mykiss)
EC50 Daphnia	> 1000 mg/l (Exposure time: 48 hours - Species: Daphnia magna)

Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)	
LC50 Fish	> 5000 mg/l (Exposure time: 96 hours - Species: Oncorhynchus mykiss)
EC50 Daphnia	> 1000 mg/l (Exposure time: 48 hours - Species: Daphnia magna)

Distillates, petroleum, solvent-dewaxed light paraffinic (64742-56-9)	
LC50 Fish	> 5000 mg/l (Exposure time: 96 hours - Species: Oncorhynchus mykiss)
EC50 Daphnia	> 1000 mg/l (Exposure time: 48 hours - Species: Daphnia magna)

12.2. Persistence and degradability

Lubegard Complete Synthetic Power Steering Fluid	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Lubegard Complete Synthetic Power Steering Fluid	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: No other effects known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Recycle empty containers when allowed.
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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

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15.2. International regulations

No additional information available

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.

SECTION 16: Other information

Issue date : 12/15/2015
Revision date : 05/04/2020
Other information : None.
Prepared by : International Lubricants, Inc.

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