



# Lubegard® Instant Shudder Fixx

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022  
Issue date: 2025-10-07 Revision date: 2025-10-07 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : Lubegard® Instant Shudder Fixx  
Product code : 19610, 19610 B, 19610TL, 19680, 19680FN, 19688, 19689

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

#### 1.4. Supplier's details

##### Manufacturer

International Lubricants, Inc  
309 South Cloverdale Street, D26  
Seattle, WA 98108  
USA  
T 206-762-5343  
[contact@lubegard.com](mailto:contact@lubegard.com)

##### Distributor

Add the name, address and tel. number of the Canadian manufacturer or importer who operates in Canada.

#### 1.5. Emergency phone number

Emergency number : VelocityEHS (formally Chemtel) - Phone: (813) 248-0573 or 1-800-255-3924 (within the United States, Canada, Puerto Rico, and the U.S. Virgin Islands)

### SECTION 2 Hazard identification

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

##### GHS classification

Skin corrosion/irritation, Category 2  
Eye irritation, Category 2

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) :

Warning

Hazard statements (GHS) :

Causes skin irritation  
Causes serious eye irritation

Precautionary statements (GHS) :

Wash hands, forearms and face thoroughly after handling.  
Wear protective gloves  
If on skin: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice or attention.

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If eye irritation persists: Get medical advice or attention.  
Take off contaminated clothing and wash it before reuse.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

Not applicable

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)Weight
Distillates, petroleum, hydrotreated heavy paraffinic	Distillates, petroleum, hydrotreated heavy paraffinic Petroleum distillates, hydrotreated heavy paraffinic / Distillates (petroleum), hydrotreated heavy paraffinic / Paraffin oil / Distillates, petroleum, hydrotreated heavy paraffinic (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20-50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.) / Heavy paraffinic hydrotreated distillate / HYDROGENATED MINERAL OIL / Hydrogenated mineral oil	CAS-No.: 64742-54-7	30 – 60
Amines, C12-14-alkyl, C6-10-alkyl phosphates	Amines, C12-14-alkyl, C6-10-alkyl phosphates C12-14-Alkylammonium C6-10-alkyl phosphate	CAS-No.: 68603-55-4	30 – 60

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Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)Weight
Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)-	Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- Phosphorodithioate, O,O-bis(2-ethylhexyl), zinc / Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester, zinc salt / Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) / Zinc, dithiophosphate bis(2-ethylhexyl) / Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-.kappa.S,.kappa.S']-, (T-4)- / Zinc bis[O,O-bis(2-ethylhexyl) bis(dithiophosphate) / Phosphorodithioic acid, O,O-bis(2-ethylhexyl)ester, zinc salt / Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4) / Phosphorodithioic acid O,O-bis(2-ethylhexyl) ester, zinc salt / (T-4)- Bis[O,O-bis(2-ethylhexyl)phosphorodithioato-.kappa.S,.kappa.S']zinc / Zinc di(2-ethylhexyl) dithiophosphate	CAS-No.: 4259-15-8	10 – 30

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

## SECTION 4 First-aid measures

### 4.1. Description of necessary 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 plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
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/effects, acute and delayed

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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### SECTION 5: Fire-fighting measures

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

Suitable extinguishing media : Water spray. Powders. Foam. Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : Do not use water jet.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapours.

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

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.

#### For non-emergency personnel

No additional information available

#### For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

#### 6.2. Methods and materials for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in 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.

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 and eyes. Avoid breathing dust/fume/gas/mist/vapours/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 incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Do not store at temperatures above 49 °C / 120 °F.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

Lubegard® Instant Shudder Fixx

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

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**Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)**

**Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)**

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

#### 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. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

#### 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. Basic physical and chemical properties

Physical state : Liquid  
Colour : red  
Odour : Slight Petroleum  
Odour threshold : normal  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : > 205 °C (> 401 °F); Open Cup (ASTM D92)  
Flammability (solid, gas) : Not flammable.  
Vapour pressure : < 0.1 mm Hg @ 25 °C (77 °F)  
Relative vapour density at 20°C/ 68 °F : No data available  
Relative density : No data available  
Density : 0.904 g/cm<sup>3</sup> g/cm<sup>3</sup> @ 24 °C (typical )  
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 : 60 mm<sup>2</sup>/s (typical)  
Explosive limits : No data available  
Particle characteristics : No data available

#### Distillates, petroleum, hydrotreated heavy paraffinic

Boiling point : 207 – 750 °C (at 1013.25 hPa)

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Distillates, petroleum, hydrotreated heavy paraffinic	
Flash point	(>115 - <=268 °C - open cup)
Vapour pressure	< 0.1 hPa Temp.: 20 °C
Particle characteristics	No data available

Amines, C12-14-alkyl, C6-10-alkyl phosphates	
Boiling point	≈ 281.5 °C Atm. press.: 1000 hPa Decomposition: 'no'
Flash point	> 100 °C Atm. press.: 1 atm Remarks on result: 'no flash point up to 100°C'
Particle characteristics	No data available

Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)-	
Flash point	110 °C
Vapour pressure	0 Pa (at 25 °C)
Particle characteristics	No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

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.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Irritating fumes.

## 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.

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<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
LD50 oral rat	> 15 g/kg (Source: EPA_HP V)
LD50 dermal rabbit	> 5000 mg/kg (Source: EPA_HP V)
<b>Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
<b>Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)</b>	
LD50 oral rat	3100 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
<b>Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)</b>	
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified.
<b>Lubegard® Instant Shudder Fixx</b>	
Viscosity, kinematic	60 mm <sup>2</sup> /s (typical)
<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
Viscosity, kinematic	No data available
<b>Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)</b>	
Viscosity, kinematic	No data available
<b>Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)</b>	
Viscosity, kinematic	No data available
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
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.

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### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified.  
Hazardous to the aquatic environment, long-term (chronic) : Not classified.

<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)</b>	
LC50 - Fish [1]	5.5 mg/l Test organisms (species): other:
EC50 - Crustacea [1]	≈ 0.315 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.58 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
<b>Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)</b>	
LC50 - Fish [1]	10 – 35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static] Source: IUCLID)
EC50 - Crustacea [1]	1 – 1.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	1 – 5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 96h - Algae [1]	1 – 5 mg/l (Species: Pseudokirchneriella subcapitata)

#### 12.2. Persistence and degradability

<b>Lubegard® Instant Shudder Fixx</b>	
Persistence and degradability	Not established.
<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
Persistence and degradability	Rapidly degradable
<b>Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)</b>	
Persistence and degradability	Rapidly degradable
<b>Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)</b>	
Persistence and degradability	Rapidly degradable

#### 12.3. Bioaccumulative potential

<b>Lubegard® Instant Shudder Fixx</b>	
Bioaccumulative potential	Not established.
<b>Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)</b>	
Partition coefficient n-octanol/water	> 2.47 (at 22 °C (at pH 4)
<b>Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)- (4259-15-8)</b>	
Partition coefficient n-octanol/water	3.59 (at 22 °C (at pH 5)

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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified.  
Fluorinated greenhouse gases : No  
Other information : No other effects known.

## SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14 Transport information

In accordance with DOT / TDG

### 14.1. UN Number

UN-No. (DOT) : Not regulated  
UN-No. (TDG) : Not regulated

### 14.2. UN Proper Shipping Name

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

### 14.3. Transport hazard class(es)

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

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

### 14.4. Packing group

Packing group (DOT) : Not regulated  
Packing group (TDG) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not regulated

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### 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.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### 15.2. International regulations

No additional information available

#### 15.3. State regulations



**WARNING:**

This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### SECTION 16 Other Information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

Revision date : 2025-10-07  
Issue date : 2025-10-07  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



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