# Lubegard® Kooler Kleen Trans Flush

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 03/14/2014 Revision date: 03/09/2015 Version: 1.1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : Lubegard® Kooler Kleen Trans Flush

Product code : 19001, 19009

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

Use of the substance/mixture : Transmission line flush

### 1.3. Details of the supplier of the safety data sheet

International Lubricants, Inc.
P.O. Box 24743
98124-0743 Seattle, WA - USA
T (206) 762-5343
(800) 333-LUBE (5823)

### 1.4. Emergency telephone number

Emergency number : ChemTel (800) 255-392
ChemTel (813) 248-0585

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

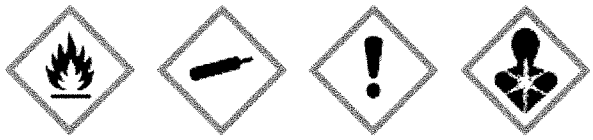
GHS-US classification

Flammable Aerosol 1
Gases Under Pressure - Compressed Gas
Skin Irritation 2
Aspiration Toxicity 1

### 2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02 GHS04 GHS07 GHS08

Signal word (GHS-US) : Danger.

Hazard statements (GHS-US) : Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May be fatal if swallowed and enters airways.

Precautionary statements (GHS-US) : Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Wear protective gloves. 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. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### 2.3. Other hazards

No additional information available.

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

20 % of the mixture consists of ingredient(s) of unknown acute toxicity.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable.

### 3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|---|---|---|---|
| Petroleum distillates, hydrotreated light | (CAS No) 64742-47-8 | 60 - 100 | Flam. Liq. 3<br>Asp. Tox. 1 |
| Stoddard solvent | (CAS No) 8052-41-3 | 10 - 30 | Flam. Liq. 3<br>Asp. Tox. 1<br>Skin Irrit. 2 |
| Isopropyl alcohol | (CAS No) 67-63-0 | 5 - 10 | Flam. Liq. 2<br>Eye Irrit. 2A<br>STOT SE 3 |

| Name | Product identifier | % | GHS-US classification |
|---|---|---|---|
| The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. | | | |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Get immediate medical advice/attention.

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

Symptoms/injuries after inhalation : May cause respiratory tract irritation. Intentional inhalation may cause respiratory irritation and central nervous system effects (headaches, dizziness).

Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Powder, water spray, foam, carbon dioxide.

Unsuitable extinguishing media : Not available.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, aldehydes, formaldehyde.

### 5.3. Advice for firefighters

Firefighting instructions : Containers may explode when heated. Cool closed containers exposed to fire with water. In case of fire and/or explosion do not breathe fumes. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back.

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

#### 6.1.1. For non-emergency personnel

Protective equipment : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

#### 6.1.2. For emergency responders

No additional information available.

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

For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition. - No smoking. Do not spray on an open flame or other ignition source. Avoid contact with skin and eyes. Avoid breathing gas, fumes, vapor or spray. . Do not swallow. Use only outdoors or in a well-ventilated area. Pressurized container: Do not pierce or burn, even after use. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

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

Storage conditions : Keep out of the reach of children. Store in dry, cool, well-ventilated area. Do not expose to temperatures exceeding 50°C/ 122°F. Store away from direct sunlight or other heat sources.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Petroleum distillates, hydrotreated light (64742-47-8)** | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (mg/m³) | 200 mg/m³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |

| **Stoddard solvent (8052-41-3)** | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (ppm) | 100 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 2900 mg/m³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 500 ppm |

| **Isopropyl alcohol (67-63-0)** | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (ppm) | 200 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 400 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 980 mg/m³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 400 ppm |

| **Carbon dioxide (124-38-9)** | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (ppm) | 5000 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 30000 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 9000 mg/m³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 5000 ppm |

### 8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear suitable gloves.

Eye protection : Wear eye/face protection.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

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

Physical state : Gas/Pressurized Liquid.

Appearance : Foam.

Color : Colorless.

Odor : Petroleum.

Odor threshold : No data available.

pH : No data available.

Relative evaporation rate (butylacetate=1) : No data available.

Melting point : No data available.

Freezing point : No data available.

Boiling point : No data available.

Flash point : 20 °C (68 °F)

Self ignition temperature : No data available.

Decomposition temperature : No data available.

| | |
|---|---|
| Vapor pressure | : No data available. |
| Relative vapor density at 20 °C | : No data available. |
| Relative density | : 0.75 - 0.85 |
| Solubility | : No data available. |
| Log Pow | : No data available. |
| Log Kow | : No data available. |
| Viscosity, kinematic | : 1.6 cSt @ 40 °C (104 °F) |
| Viscosity, dynamic | : No data available. |
| Explosive properties | : No data available. |
| Oxidising properties | : No data available. |
| Explosive limits | : No data available. |

### 9.2. Other information

Flame duration: >3 min

Flame height: >20cm

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Oxidizers.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, aldehydes, formaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| **Lubegard® Kooler Kleen Trans Flush** | |
|---|---|
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat | > 5 mg/l/4h |

| **Petroleum distillates, hydrotreated light (64742-47-8)** | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat | > 5.2 mg/l/4h |

| **Isopropyl alcohol (67-63-0)** | |
|---|---|
| LD50 oral rat | 4396 mg/kg |
| LD50 dermal rat | 12800 mg/kg |
| LD50 dermal rabbit | 12870 mg/kg |
| LC50 inhalation rat | 72.6 mg/l/4h |

| | |
|---|---|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation | : Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | : Based on available data, the classification criteria are not met. |
| Carcinogenicity | : Based on available data, the classification criteria are not met. |

| **Isopropyl alcohol (67-63-0)** | |
|---|---|
| IARC group | 3 |

| | |
|---|---|
| Reproductive toxicity | : Based on available data, the classification criteria are not met. |
| Specific target organ toxicity (single exposure) | : Based on available data, the classification criteria are not met. |
| Specific target organ toxicity (repeated exposure) | : Based on available data, the classification criteria are not met. |

| | |
|---|---|
| Symptoms/injuries after inhalation | : May cause respiratory tract irritation. Intentional inhalation may cause respiratory irritation and central nervous system effects (headaches, dizziness). |
| Symptoms/injuries after skin contact | : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. |
| Symptoms/injuries after eye contact | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. |
| Symptoms/injuries after ingestion | : May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting. |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

| Lubegard® Kooler Kleen Trans Flush | |
|---|---|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| Lubegard® Kooler Kleen Trans Flush | |
|---|---|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

| | |
|---|---|
| Waste disposal recommendations | : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. |
| Additional information | : Flammable vapors may accumulate in the container. |

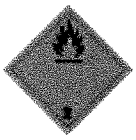
## SECTION 14: Transport information

In accordance with DOT.

### 14.1. UN number

UN-No. : 1950

### 14.2. UN proper shipping name

| | |
|---|---|
| Proper Shipping Name | : Aerosols, flammable |
| Department of Transportation Hazard Classes | : 2.1 |
| Hazard labels | :  |

### 14.3. Additional information

| | |
|---|---|
| Other information | : No supplementary information available. |
| Special transport precautions | : Do not handle until all safety precautions have been read and understood. |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| Petroleum distillates, hydrotreated light (64742-47-8) |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| Stoddard solvent (8052-41-3) |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| Isopropyl alcohol (67-63-0) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Listed on SARA Section 313 (Specific toxic chemical listings) | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| SARA Section 313 - Emission Reporting | 1.0 % (only if manufactured by the strong acid process, no supplier notification) |

| Carbon dioxide (124-38-9) |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

15.2. US State regulations

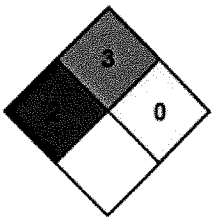
| Lubegard® Kooler Kleen Trans Flush | |
|---|---|
| State or local regulations | This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. |

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

| | |
|---|---|
| **IARC** | **International Agency for Research on Cancer.** |
| | 1 - Carcinogenic to humans;<br>2A - Probably carcinogenic to humans;<br>2B - Possibly carcinogenic to humans;<br>3 - Not classifiable;<br>4 - Probably not carcinogenic to humans. |
| **NTP** | **National Toxicology Program.** |
| | 1 - Evidence of Carcinogenicity;<br>2 - Known Human Carcinogens;<br>3 - Reasonably anticipated to be Human Carcinogen;<br>4 - Substances delisted from report on Carcinogens;<br>5 - Twelfth Report - Items under consideration. |

## SECTION 16: Other information

| | | |
|---|---|---|
| Version number | : | 1.1 |
| Date of issue | : | 03/14/2014 |
| Revision date | : | 03/09/2015 |
| Other information | : | None. |
| NFPA health hazard | : | 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. |
| NFPA fire hazard | : | 3 - Liquids and solids that can be ignited under almost all ambient conditions. |
| NFPA reactivity | : | 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. |




*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*