Lubegard® M-V Automatic Transmission Fluid Supplement

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022
Issue date: 2015-01-30 Revision date: 2025-10-01 Version: 2.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Lubegard® M-V Automatic Transmission Fluid Supplement
Product code : 62005, 62015, 62055

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Lubricant/Additive

1.4. Supplier's details

Supplier
International Lubricants, Inc
309 South Cloverdale Street, D26
Seattle, WA 98108
USA
T 206-762-5343
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 sensitization, Category 1
Carcinogenicity, Category 2

2.2. Label elements

GHS labelling

Hazard pictograms (GHS) :

Signal word (GHS) : Warning
Hazard statements (GHS) : May cause an allergic skin reaction
Suspected of causing cancer.
Precautionary statements (GHS) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust, fume, gas, mist, vapours, spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection.

If exposed or concerned: Get medical advice/attention.
If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice or attention.

Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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)
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	1,3,4-Thiadiazole, 2,5-bis(octyldithio)- 2,5-Bis(octyldithio)-1,3,4-thiadiazole / Thiadiazole (1,3,4), 2,5-bis(octyldithio) / 2,5-bis(Octyldithio)-1,3,4-thiadiazole	CAS-No.: 13539-13-4	0.001 - 1
Diphenylamine	Diphenylamine Aniline, N-phenyl- / Benzenamine, N-phenyl- / Benzene, (phenylamino)- / Benzene, anilino- / N,N-Diphenylamine / N-Phenylaniline / N-Phenylbenzenamine	CAS-No.: 122-39-4	0.1 - 1

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

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 or rash 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 : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

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 stomach distress, nausea or vomiting. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Suspected of causing cancer.

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

Other medical advice or treatment : 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: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

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.

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 : Provide ventilation. Sweep or shovel spills into appropriate container for disposal.

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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Do not swallow. Avoid breathing dust/fume/gas/mist/vapors/spray. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in dry, cool, well-ventilated area. Store locked up.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Diphenylamine (122-39-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	10 mg/m³
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	10 mg/m³

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 chemically resistant protective gloves. 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
Appearance	:	Clear.
Colour	:	dark red Transparent
Odour	:	Sweet Characteristic odour
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	:	~ 162 °C (~ 323 F)
Relative evaporation rate (butylacetate=1)	:	Negligible.
Flammability (solid, gas)	:	Not flammable.
Vapour pressure	:	No data available
Relative vapour density at 20°C/ 68 °F	:	No data available
Relative density	:	0.9
Solubility	:	Insoluble.
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	65.0 cst @ 40°C; 10.19 cst @ 100°C
Explosive limits	:	No data available
Particle characteristics	:	No data available

Diphenylamine	
Boiling point	302 °C
Flash point	153 °C
Auto-ignition temperature	634 °C
Vapour pressure	0.000215 hPa (at 20 °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

Acids. Oxidizers.

10.6. Hazardous decomposition products

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

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.

Lubegard® M-V Automatic Transmission Fluid Supplement	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	>2000 mg/kg

Diphenylamine (122-39-4)	
LD50 oral rat	1120 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 2000 mg/kg (Source: EU_RAR)

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Not classified.

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified.

Carcinogenicity : Suspected of causing cancer.

Diphenylamine (122-39-4)	
IARC group	2B - Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Not classified.
STOT-single exposure : Not classified.

Diphenylamine (122-39-4)	
STOT-single exposure	May cause damage to organs.

STOT-repeated exposure : Not classified.

Diphenylamine (122-39-4)	
NOAEL (oral, rat, 90 days)	3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified.

Lubegard® M-V Automatic Transmission Fluid Supplement	
Viscosity, kinematic	65 mm²/s at 40°C (100° F)

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	:	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 stomach distress, nausea or vomiting. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	:	Suspected of causing cancer.
Other information	:	Likely routes of exposure: ingestion, inhalation, skin and eye.

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.

Diphenylamine (122-39-4)	
LC50 - Fish [1]	3.47 – 4.14 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	1.69 – 2.46 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	1.5 mg/l (Species: Scenedesmus subspicatus)

12.2. Persistence and degradability

Lubegard® M-V Automatic Transmission Fluid Supplement	
Persistence and degradability	Not established.

1,3,4-Thiadiazole, 2,5-bis(octyldithio)- (13539-13-4)	
Persistence and degradability	Rapidly degradable

Diphenylamine (122-39-4)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Lubegard® M-V Automatic Transmission Fluid Supplement	
Bioaccumulative potential	Not established.

Diphenylamine (122-39-4)	
BCF - Fish [1]	51 – 253
Partition coefficient n-octanol/water	3.4

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

Not regulated for transport

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

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.

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.

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	:	2025-10-01
Issue date	:	2015-01-30
Other information	:	None.
Prepared by	:	Nexreg Compliance Inc. www.Nexreg.com

Indication of changes:
SDS update.

SDS HazCom 2024 - WHMIS 2022 (Nexreg) 2025

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