

MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

SECTION I - PRODUCT IDENTIFICATION

Product Name: TODCO LUBE
Product Number: 2-209
Product Type: Bulk Liquid
Supplier's Name: Todco Door Division
Supplier's Address: P. O. Box 1087, Marion, OH 43305
DOT Shipping Description: Oils, Lubricating, N.O.I. (not regulated)

Formula: Proprietary
Date Prepared: 04/12/2000
Emergency Phone: (800) 255-3924
Information Phone: (614) 383-6378

HMS Rating:
0-Minimal 1- Slight 2- Moderate
3- Serious 4- Extreme
HEALTH: 1 FIRE: 1 REACTIVITY: 0
Personal Protection : B

SECTION II - INGREDIENTS

CHEMICAL NAME	CAS #	%WT	313/Chem	Skin	Carcinogen	PEL	TWA/TLV
Isoparaffinic Hydrocarbon	64742-48-7	80-80	NO	NO	NO	200 ppm	200 ppm
Food Grade Mineral Oil	8042-47-5	10-20	NO	NO	NO	5mg/M ³	5mg/M ³
Dipropylene Glycol Monomethyl Ether	34590-84-8	01-05	NO	NO	NO	100 ppm	100 ppm

SECTION III - PHYSICAL DATA

Boiling Point: ~300° F
Solubility in Water: Negligible.
Appearance/Odor: Brownish liquid, Mild solvent odor.
Total VOC %: ~ 0%

Vapor Density(Air=1): >1
Specific Gravity (H₂O=1)@75°F: 0.830

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: 216° F T.C.C.
Extinguishing Media: Water Fog, Foam, CO₂, Dry Media.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.
Unusual Fire and Explosion Hazards: Exposure to temperature above 120° F may cause bursting.

SECTION V - REACTIVITY DATA

Stability: Material Stable.
Incompatibility: Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide.
Hazardous Polymerization: Will not occur.

SECTION VI - STORAGE AND HANDLING

KEEP OUT OF REACH OF CHILDREN.
For Industrial and Institutional use: only.
Store in a cool, dry area away from heat or open flame.
Do not store at temperatures above 120° F.

SECTION VII - HEALTH AND FIRST AID

PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:

Eyes: Causes pain, redness and irritation.
Skin: Frequent or prolonged contact may cause irritation.
Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages.
Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. Get medical attention immediately.
Skin: Wash with plenty of soap and water. If irritation persists seek medical attention.
Inhalation: Remove to fresh air. If continued difficulty is experienced, seek medical attention immediately. If breathing stops give artificial respiration.
Ingestion: Seek medical attention immediately.

SECTION VIII - SPECIAL PROTECTION DATA

Respiratory Protection: None needed for proper use in accordance with label directions. If ventilation is not adequate to reduce vapors below Threshold Limit Value (TLV) levels, use a NIOSH/MSHA approved air purifying respirator equipped with an organic vapor cartridge.
Ventilation: Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.
Protective Gloves: Use chemical resistant gloves if hand contact will be made.
Eye Protection: Wear chemical proof splash goggles or face shield with safety glasses for splash protection.

SECTION IX - SPILL OR LEAK PROTECTION

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: Maintain local exhaust and adequate ventilation. No smoking.
Keep sparks, heat sources and open flame far away from spill or leak. Cover with suitable absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.
WASTE DISPOSAL METHOD: Consult Federal, State and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

NOTICE: The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.

MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

SECTION I · PRODUCT IDENTIFICATION

Product Name: TODCO LUBE
Product Number: 209
Product Type: AEROSOL
Supplier's Name: Todco Door Division
Supplier's Address: P. O. Box 1087, Marion, OH 43305
D.O.T. Hazard Class: CONSUMER COMMODITY · ORM-D

Date Prepared: 02/14/2000
Emergency Phone: (800) 255-3924
Information Phone: (614) 383-6378
Formula: Proprietary

HMS Rating (Based on Aerosol Conc.)
0-Minimal 1- Slight 2- Moderate
3- Serious 4- Extreme
HEALTH: 1 FIRE: 1 REACTIVITY: 0
Personal Protection: B

SECTION II · INGREDIENTS

CHEMICAL NAME	CAS #	%WT	313/Chem	SkIn	CarcInogen	PEL	TWA/TLV
Isoparaffinic Hydrocarbon	84742-48-7	60-80	NO	NO	NO	200 ppm	200 ppm
Mineral Oil	8042-47-5	10-20	NO	NO	NO	5mg/M ³	5mg/M ³
Oxygenated Hydrocarbon Blend	N/A	01-05	NO	NO	NO	N/A	N/A
Octamethylcyclotetra-Siloxane	556-67-2	01-05	NO	NO	NO	N/A	N/A
Dipropylene Glycol Monomethyl Ether	34590-84-8	01-05	NO	NO	NO	100 ppm	100 ppm
Carbon Dioxide	124-38-9	01-05	NO	NO	NO	10,000 ppm	10,000 ppm

SECTION III · PHYSICAL DATA

Data Below Based On Aerosol Concentrate Only:

Boiling Point: ~ 500° F

pH: N/A

Solubility In Water: Slight

Appearance/Odor: Brownish Liquid, Solvent Odor

Data Below Based On Total Contents:

Vapor Pressure of can (psig @72°F): 88

Total VOC (Volatile Organic Compound) %: 3%

Vapor Density(Air=1): >1

Specific Gravity (H₂O=1)@75°F: 0.833

SECTION IV · FIRE AND EXPLOSION DATA

Flash Point (of Concentrate Only): >200°F (T.O.C.)

Flammability (as per USA Flame Projection Test): Non-Flammable Spray

Extinguishing Media: Foam, CO₂ Dry Media

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

Unusual Fire and Explosion Hazards: Exposure to temperature above 120° F may cause bursting.

SECTION V · REACTIVITY DATA

Stability: Material Stable.

Hazardous Polymerization: Will not Occur.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide.

SECTION VI · STORAGE AND HANDLING

KEEP OUT OF REACH OF CHILDREN.

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 120° F.

*NFPA Code 30B Rating: Level 1 Aerosol.

SECTION VII · HEALTH AND FIRST AID

PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:

Eyes: May cause slight irritation but does not injure eye tissue.

Skin: Frequent or prolonged contact may cause irritation.

Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

Skin: Wash with soap and water. If irritation persists seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

SECTION VIII · SPECIAL PROTECTION DATA

Respiratory Protection: None needed for proper use in accordance with label directions.

Ventilation: Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.

Protective Gloves: None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

Eye Protection: None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.

SECTION IX · SPILL OR LEAK PROTECTION

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.

WASTE DISPOSAL METHOD: Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

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