



Safety Data Sheet

Synthetic Spray Lubricant Adheres to Surfaces

SECTION 1. IDENTIFICATION

Product Identifier	Synthetic Spray Lubricant Adheres to Surfaces
Part number	TNDS8011
Product Family	Mixture
Recommended Use	Lubricant.
Restrictions on Use	None known.
Manufacturer	Shrader Canada Limited, 830 Progress Court, Oakville, ON, L6L 6K1, +1.905.847.0222, www.shradercanada.com
Emergency Phone No.	CANUTEC, +1.613.996.6666, Operation hours: 24/7
SDS No.	TNDS8011

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable aerosol - Category 1; Gas under pressure - Compressed gas; Skin corrosion/irritation - Category 2; Specific target organ toxicity (single exposure) - Category 3; Aspiration hazard - Category 1

GHS Label Elements



Danger

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Pressurized container: may burst if heated.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Keep away from heat, sparks, open flames, and 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.
Avoid breathing spray, vapours.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.

Product Identifier:	Synthetic Spray Lubricant Adheres to Surfaces
SDS No.:	TNDS8011
Date of Preparation:	September 23, 2015

If skin irritation occurs: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE/doctor if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Dispose of contents/container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Heptane, branched, cyclic and linear	426260-76-6	15-40	
Petroleum gases, liquefied	68476-85-7	15-40	
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	3-7	
Hydrotreated light naphthenic distillate	64742-53-6	3-7	
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	1-5	
Zinc C1-C14 alkyldithiophosphate	68649-42-3	1-5	
Calcium sulfonate based corrosion inhibitor	61789-86-4	0.1-1.0	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. Immediately call a Poison Centre or doctor.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice/attention.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Drink two glasses of water. Immediately call a Poison Centre or doctor.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide or dry chemical. Use water to keep non-leaking, fire-exposed containers cool.

Unsuitable Extinguishing Media

DO NOT use water or water-based extinguishing agents.

Specific Hazards Arising from the Chemical

Extremely flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. May travel a considerable distance to a source of ignition and flash back to a leak or open container. Closed containers may rupture violently when heated releasing contents. sprayed product will project a flame on

Product Identifier: Synthetic Spray Lubricant Adheres to Surfaces

SDS No.: TNSD8011

Date of Preparation: September 23, 2015

Page 02 of 07

contact with an ignition source.

Carbon oxides, and other unidentified organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Fight fire from a safe distance or a protected location.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Eliminate all ignition sources. Use grounded, explosion-proof equipment. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, if ventilation is not sufficient.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Contaminated absorbent poses the same hazard as the spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Wash hands thoroughly after handling this material. Do not puncture or incinerate container even when empty. Do not weld, cut or perform hot work on empty container until all traces of product have been removed.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated. Store in an area that is: separate from incompatible materials (see Section 10: Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL [C]	TWA	Ceiling
Heptane, branched, cyclic and linear	400 ppm	500 ppm	2000 mg/m ³	Not established

Appropriate Engineering Controls

Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side shields.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: neoprene rubber, nitrile rubber.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product Identifier: Synthetic Spray Lubricant Adheres to Surfaces

SDS No.: TNDS8011

Date of Preparation: September 23, 2015

Basic Physical and Chemical Properties

Appearance	Clear amber Aerosol.
Odour	Petroleum
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting)
Initial Boiling Point/Range	Not available
Flash Point	-8 °C (closed cup)
Evaporation Rate	Not available
Flammability (solid, gas)	Flammable aerosol
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.785 at 15 °C
Solubility	Negligible in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	< 14 centistokes at 40°C (kinematic)
Other Information	
VOC %	72
Flame projection	< 100 cm
NFPA Classification	Aerosol, Level 3

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

Incompatible Materials

Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

Carbon oxides. And other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation.
Skin contact.
Eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Heptane, branched, cyclic and linear	~ 25000 ppm (rat) (4-hour exposure)	> 15000 mg/kg (rat)	Not available
Calcium sulfonate based corrosion inhibitor	Not available	Not available	Not available
Distillates (petroleum), hydrotreated heavy naphthenic	2180 mg/m3 (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Hydrotreated light naphthenic distillate	2180 mg/m3 (rat)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)

Skin Corrosion/Irritation

Animal tests show moderate or severe irritation.

Serious Eye Damage/Irritation

There is limited evidence of mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

At high concentrations may cause depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Skin Absorption

No information was located.

Ingestion

If large amounts are swallowed may cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

May cause lung damage if aspirated based on physical properties (e.g. kinematic viscosity) and chemical family (hydrocarbon).

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Conclusions cannot be drawn from the limited studies available.

Respiratory and/or Skin Sensitization

No information was located for respiratory sensitization.

No information was located for skin sensitization.

Carcinogenicity

Chemical Name	ACGIH®	IARC	NTP	OSHA
Heptane, branched, cyclic and linear	Not Listed	Not evaluated	Not Listed	Not Listed
Petroleum gases, liquefied	Not Listed	Not Listed	Not Listed	Not Listed

Not known to cause cancer. No ingredients of this product have been evaluated for carcinogenicity by the International Agency for Research on Cancer (IARC), the American Conference of Governmental Industrial Hygienists (ACGIH®) or the US National Toxicology Program (NTP).

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

Product Identifier: Synthetic Spray Lubricant Adheres to Surfaces
SDS No.: TNSD8011
Date of Preparation: September 23, 2015

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.
This section is not required by OSHA.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Dispose of in accordance with municipal, provincial/state or federal regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1950	Aerosols	2.1	---
IMDG (Marine)	UN1950	Aerosols	2.1	---
IATA (Air)	UN1950	Aerosols, flammable	2.1	---

Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response Guide No. 126 EmS F-D, S-U

Other Information ICAO/IATA PI Y203/203
Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

CERCLA: Not applicable.

SARA Title III - Section 302: Not applicable.

SARA Title III - Section 313: Not applicable.

California Proposition 65: Not applicable.

Massachusetts Right To Know: Not applicable.

New Jersey Right To Know. (Petroleum gases, liquefied)

Pennsylvania Right To Know. (Petroleum gases, liquefied)

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 3** **Instability - 0**

Product Identifier: Synthetic Spray Lubricant Adheres to Surfaces

SDS No.: TNSD8011

Date of Preparation: September 23, 2015

Based on Heptane, branched, cyclic and linear

SDS Prepared By Regulatory Compliance
Phone No. 905.847.0222
Date of Preparation September 23, 2015
Key to Abbreviations ACGIH® = American Conference of Governmental Hygienists
CANUTEC = Canadian Transport Emergency Centre
CAS = Chemical Abstract Service
CCOHS = Canadian Centre for Occupational Health & Safety
CNS = Central nervous system
GESTIS = GESTIS Substance Database
HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
ICAO = International Civil Aviation Organization
IMDG = International Maritime Dangerous Goods Code
LC = Lethal concentration
LD = Lethal dose
NFPA = National Fire Protection Association
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Administration
PPM = Parts per million
RTECS® = Registry of Toxic Effects of Chemical Substances
STEL = Short term exposure limit
TDG = Transportation of Dangerous Goods Regulations (Canada)
TWA = Time weighted average

References Material Safety Data Sheet from manufacturer.
CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
ECHA - European Chemical Agency, Classification and Labelling Inventory
GESTIS Substance Database
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

Disclaimer The information contained herein is offered only as a guide to the use and handling of this specific material and has been prepared in good faith. It is not intended to be all-inclusive, and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied. Shrader Canada Limited will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein.

Product Identifier: Synthetic Spray Lubricant Adheres to Surfaces
SDS No.: TNSD8011
Date of Preparation: September 23, 2015

Page 07 of 07