Safety Data Sheet
AIR TOOL LUBRICANT

TOPRING CONNECT

SDS 3900

1. Identification

Product identifier	AIR TOOL LUBRICANT
Product code	69.046, 69.050, 69.100, 69.101, 69.104, 88.6905
Other means of identification	Air Tool Lubricant Viscosity Grade ISO 32.
Recommended use of the chemical and restrictions on use	Lubricating oil.
Manufacturer	TOPRINGS LTÉE. 1020, boulevard Industriel Granby, Québec J2J 1A4 Tél. 800.263.8677 450.375.1828 Téléc. 450.375.1408 http://www.topring.com
Emergency phone number	Quebec Poison Center: 1-800-463-5060 (toll free in QC) Ontario and Manitoba Poison Centres: 1-800-268-9017 or 419-813-5900 BC Drug and Poison Information Centre: 1-800-567-8911 (toll free in BC) or contact your local poison control centre in the state/province or territory where you live. Canutec: 613-996-6666 or *666 on a cellular phone (for transportation)

2. Hazard identification

Summary	Avoid contact with eyes. Avoid prolonged contact with skin. Avoid prolonged or repeated inhalation of mist or vapor. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

WHMIS 2015/GHS/OSHA HCS 2012

Not Regulated under WHMIS 2015/GHS

P101: If medical advice is needed, have product container or label at hand.
P264: Wash skin thoroughly after handling.
P301+310+331: IF SWALLOWED: Immediately call a POISON CENTER or a physician. Do NOT induce vomiting.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	10 - 80 %
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	10 - 80 %
Residual oils (petroleum), solvent-refined	64742-01-4	10 - 80 %

Note: The product is made at 99.9% of a mixture of these highly refined ingredients, containing no polycyclic aromatic hydrocarbon (PAH). The actual concentration range of the mixture (CAS no 64741-88-4, 64742-54-7 and 64742-01-4) varies depending on the batch. The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention. Discard contaminated leather articles such as shoes and belt.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT INDUCE VOMITING! If victim is conscious wash out mouth with plenty of water. Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	No information available.
Notes to the physician	Aspiration hazard for the lungs (ingestion/vomiting). Can enter lungs and cause damage. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemicals, chemical foam, carbon dioxide (CO2). Do not use a heavy water jet.
Specific hazards arising from the chemical	Non-flammable. May be combustible at high temperature.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	Ventilate the area well. Remove sources of ignition. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Dispose via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling	Use in well ventilated area. Avoid contact with eyes. Avoid prolonged contact with skin. Do not breathe vapours, mists or aerosols. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Avoid contamination with another chemical product. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly close and in properly labelled container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see section 10). Keep away from direct sunlight and heat. Shelf life of unopened container in ideal storing conditions: 3 years.
Storage temperature	5 to 45°C (41 to 113°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.

Mixture		Mist	5 mg/m^3	ACGIH
Distillates (petroleum), hydrotreated heavy paraffinic	TWA (8h)	Mist	1 mg/m^3	BC
		Mist	5 mg/m^3	ACGIH , ON, RSST
Distillates (petroleum), solvent-refined heavy paraffinic	TWA (8h)	Mist	5 mg/m^3	ACGIH , OSHA, RSST
Residual oils (petroleum), solvent-refined	TWA (8h)	Mist	5 mg/m^3	ACGIH , ON, RSST

Appropriate engineering controls	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.

Individual protection measures

Eye	In the workplace, wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles.
Hands	Wear nitrile gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code.
Respiratory	A respirator is not required in a well-ventilated area. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times of exposure limit, wear a half mask respirator with organic vapour cartridges. For an APF until maximum 100 times of exposure limit, wear a full face mask respirator with organic vapour cartridges.
Feet	Wear rubber boots to clean up a spill.

Safety glasses

Nitrile gloves

9. Physical and chemical properties

Physical state	Liquid	**Flammability**	Non-flammable
Colour	Yellowish	**Flammability limits**	N/Av.
Odour	Petroleum odor	**Flash point**	>190°C (374°F)
Odour threshold	100 ppm	**Auto-ignition temperature**	>350°C (662°F)
pH	N/Ap.	**Sensibility to electrostatic charges**	N.Av.
Melting point	-40°C (-40°F)	**Sensibility to sparks and/or friction**	No
Freezing point	-40°C (-40°F)	**Vapour density**	>5 (Air = 1)
Boiling point	150 to 600°C (302 to 1112°F)	**Relative density**	0.86 kg/L (Water = 1)
Solubility	Insoluble in water.	**Partition coefficient n-octanol/water**	5 to 24
Evaporation rate	< Butyl Acetate	**Decomposition temperature**	N/Av.
Vapour pressure	<0.13kPa (1 mm Hg) @ 25°C (77°F)	**Viscosity**	29 to 35 cSt @ 40°C (104°F)
Percent Volatile	N/Av.	**Molecular mass**	N/Ap.

N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established

10. Stability and reactivity

Reactivity	No known dangerous reactions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	Hazardous polymerization will not occur.
Conditions to avoid	Avoid contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Numerical measures of toxicity	Distillates (petroleum), hydrotreated heavy paraffinic	Ingestion	>15000 mg/kg	Rat	LD50
		Inhalation	>5 mg/l/4h	Rat	LC50
		Skin	>5000 mg/kg	Rabbit	LD50
	Distillates (petroleum), solvent-refined heavy paraffinic	Ingestion	>5000 mg/kg	Rat	LD50
		Inhalation	>5 mg/l/4h	Rat	LC50
		Skin	>5000 mg/kg	Rabbit	LD50
	Residual oils (petroleum), solvent-refined	Ingestion	>5000 mg/kg	Rat	LD50
		Inhalation	>5 mg/l/4h	Rat	LC50
		Skin	>5000 mg/kg	Rabbit	LD50
	Skin, eyes, inhalation, ingestion.				

Likely routes of exposure		
Delayed, immediate and chronic effects	**Eye contact**	May cause slight temporary eye irritation. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.
	Skin contact	Prolonged and repeated contact may cause skin drying, cracking or irritation. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.
	Inhalation	Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions. Exposure to high concentrations of vapor from heated product may cause headache, dizziness, lungs damage.
	Ingestion	Low degree of acute toxicity. Aspiration hazard for the lungs (ingestion/vomiting). Can enter lungs and cause damage. However, the risk of aspiration hazard into the lungs can be minimal due to the high viscosity of the material.
	Respiratory or skin sensitization	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.
	IARC/NTP Classification	No ingredients listed.
	Carcinogenicity	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA. The following information has been reported for the aliphatic petroleum distillates with regards to carcinogenicity (IARC, 1987): Untreated and mildly-treated oils are carcinogenic to humans (Group 1), and highly-refined oils are not classified as carcinogenic to humans.
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.
	Reproductive toxicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.
	Specific target organ toxicity - single exposure	No target organ is listed.
	Specific target organ toxicity - repeated exposure	No target organ is listed.
Interactive effects	No information available.	
Other information	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the aerosols and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

12. Ecological information

Ecological toxicity	Fish, various	LC50	SES / NES
	Aquatic Invertebrates, various	EC50	SES / NES
	Aquatic Plant - various	EC50	SES / NES
Persistence	Moderately persistent in the environment.		
Degradability	Biodegradable (<30% in 28 days). The product is a heavy hydrocarbon mixture in which some ingredients are not readily biodegradable (OECD 301B, IUCLID).		
Bioaccumulative potential	Log Kow values ranging from about 5 to 25. Bioconcentration Factor (BCF) between 0.9 and 750000 for the mixture. These values indicate a high degree of bioaccumulation.		
Mobility in soil	Insoluble in water. This mixture is likely to have high Koc values (>5000), indicating a high degree of		

	sorption to the organic matter in soils. This value suggests that some components will display low mobility and some will be essentially immobile in soil. This product pollutes water and contaminates the soil.
Other adverse effects	Due to the very low solubility of these chemicals in water, the acute toxicity to fish and aquatic invertebrates, and the toxicity to aquatic plants are considered to be no effects at saturation (NES). The chronic toxicity to aquatic invertebrates is also considered to be no effects at saturation (NES). This chemical does not deplete the ozone layer.

13. Disposal considerations

Container 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Non-use oils or waste oils can be reprocessed (recycle) where there is a recovery program. Waste oils should be classified as hazardous mixtures. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No information available for this product.
TDG - Transportation of Dangerous Goods (Canada)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Emergency response guidebook 2016	
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		X		
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7		X		
Residual oils (petroleum), solvent-refined	64742-01-4		X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory

- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	X								
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	X								
Residual oils (petroleum), solvent-refined	64742-01-4	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations	

16. Other information

Date (YYYY-MM-DD)	Toprings Ltée. 2021-05-19
Version	03
Other information	REFERENCES: - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - High Production Volume (HPV) Chemical Challenge Program, U.S. EPA, http://www.epa.gov/hpv/ - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), http://www.reptox.csst.qc.ca DATE OF FIRST VERSION OF SDS: 2014-11-28. CHANGES MADE IN THE VERSION 02: sections 1, 2, 11 and 15. DATE OF SECOND VERSION OF SDS: 2017-11-09. CHANGES MADE IN THE VERSION 03: section 3.

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association
OSHA: Occupational Safety and Health Administration (USA)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
RSST: Règlement sur la santé et la sécurité du travail (Québec)
GHS: Globally Harmonized System
IARC: International Agency for Research on Cancer
IDLH: Immediately Dangerous to Life or Health
STEL: Short Term Exposure Limit (15 min)
TWA: Time Weighted Averages
WHMIS: Workplace Hazardous Materials Information System