

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP GROOVY ANTI-SEIZE LUBRICANT

Material number : 68701C

Manufacturer or supplier's details

Company : Zep Inc.

Address : 11627 - 178 Street
Edmonton, Alberta T5S 1N6
Canada

Telephone : Compliance Services - 877-428-9937

Emergency telephone numbers

For SDS Information : Compliance Services - 877-428-9937

For a Medical Emergency : 877-541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency : CHEMTREC: 800-424-9300 - All Calls Recorded.

Recommended use of the chemical and restrictions on use

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	viscous liquid
Colour	No data available
Odour	No data available

GHS Classification

Carcinogenicity : Category 2

GHS label elements

Hazard pictograms :



Health hazard

Signal word : Warning

Hazard statements : H351 Suspected of causing cancer.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
copper	7440-50-8	$\geq 30 - < 60$
aluminium	7429-90-5	$\geq 1 - < 5$
graphite	7782-42-5	$\geq 1 - < 5$
quartz (SiO ₂)	14808-60-7	$\geq 0.1 - < 1$
Stoddard solvent	8052-41-3	$\geq 0.1 - < 1$

SECTION 4. FIRST AID MEASURES

- General advice : Do not leave the victim unattended.
Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.
Get medical attention.
- If inhaled : If symptoms persist, call a physician.
Move to fresh air.
- In case of skin contact : Wash off with soap and plenty of water.
Wash contaminated clothing before reuse.
Remove contaminated clothing and shoes.
If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
- Most important symptoms : Chronic effects are delayed and symptoms may not be

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

and effects, both acute and delayed

observed during an exposure.

Effects are dependent on exposure (dose, concentration, contact time).

Effects are immediate and delayed.

Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling, respiratory issues, and general pain.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure.

Review section 2 of SDS to see all potential hazards.

Notes to physician

: Treat symptomatically. Symptoms may be delayed.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Dry powder
Dry sand
Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Smoke

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Standard procedure for chemical fires.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Keep people away from and upwind of spill/leak.
Use personal protective equipment.
Ensure adequate ventilation.
Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains, inform

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapours or spray mist.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Observe label precautions.

Materials to avoid : Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
copper	7440-50-8	TWA (Dust and mist)	1 mg/m ³ (Copper)	CA AB OEL
		TWA (Fumes)	0.2 mg/m ³	CA AB OEL
		TWAEV (dusts and mists)	1 mg/m ³ (Copper)	CA QC OEL
		TWAEV (Fumes)	0.2 mg/m ³ (Copper)	CA QC OEL
		TWA (Dust and mist)	1 mg/m ³ (Copper)	CA AB OEL
		TWAEV (dusts and mists)	1 mg/m ³ (Copper)	CA QC OEL
		TWAEV (Fumes)	0.2 mg/m ³ (Copper)	CA QC OEL
		TWA (Dust and mist)	1 mg/m ³ (Copper)	ACGIH
		TWA (Fumes)	0.2 mg/m ³ (Copper)	ACGIH

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

aluminium	7429-90-5	TWA (Dust)	10 mg/m3	CA AB OEL
		TWAEV	10 mg/m3	CA QC OEL
		TWA (Respirable fraction)	1 mg/m3 (Aluminium)	ACGIH
graphite	7782-42-5	TWA (Respirable)	2 mg/m3	CA BC OEL
		TWAEV (Respirable fibres)	5 mg/m3	CA QC OEL
		TWAEV (Total fibres)	10 mg/m3	CA QC OEL
		TWAEV (respirable dust)	2 mg/m3	CA QC OEL
quartz (SiO2)	14808-60-7	TWA (Respirable particulates)	0.025 mg/m3	CA AB OEL
		TWA (Respirable fraction)	0.1 mg/m3	CA ON OEL
		TWAEV (respirable dust)	0.1 mg/m3	CA QC OEL
Stoddard solvent	8052-41-3	TWA	100 ppm 572 mg/m3	CA AB OEL
		TWA	290 mg/m3	CA BC OEL
		STEL	580 mg/m3	CA BC OEL
		TWAEV	100 ppm 525 mg/m3	CA QC OEL
		TWA	100 ppm	ACGIH

Engineering measures : effective ventilation in all processing areas

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection

Material : Protective gloves

Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Safety glasses
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection

: Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: When using do not eat or drink.
When using do not smoke.

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: viscous liquid
Colour	: No data available
Odour	: No data available
Odour Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: No data available
Bulk density	: No data available
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
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SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: Extremes of temperature and direct sunlight.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide Nitrogen oxides (NO _x)

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Aggravated Medical Condition : None known.

Symptoms of Overexposure : Chronic effects are delayed and symptoms may not be observed during an exposure.
Effects are dependent on exposure (dose, concentration, contact time).
Effects are immediate and delayed.
Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling, respiratory issues, and general pain.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.
Review section 2 of SDS to see all potential hazards.
Treat symptomatically. Symptoms may be delayed.

Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

quartz (SiO₂)

14808-60-7

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Acute toxicity

Product:

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Components:

copper:

Acute oral toxicity : LD50 Rat: 300 - 500 mg/kg

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

Acute dermal toxicity : LD50 Rat: > 2,000 mg/kg

aluminium:

Acute oral toxicity : LD50 Rat: > 15,900 mg/kg

Acute inhalation toxicity : LC50 Rat: > 0.888 mg/l
Exposure time: 4 h

Skin corrosion/irritation

Product:

Remarks: May irritate skin.

Serious eye damage/eye irritation

Product:

Remarks: May irritate eyes.

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Remarks: Third Party Data - Actual or Inferred

Aspiration toxicity

No data available

Further information

Product:

Remarks: No data available

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water : Remarks: No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.
Do not contaminate ponds, waterways or ditches with chemical or used container.
The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Do not re-use empty containers.
Empty remaining contents.
Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

Print Date 04/27/2025

Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

The product as delivered to the customer conforms to packaging requirements for shipment by road under Transport Dangerous Goods (TDG) Canada regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

The components of this product are reported in the following inventories:

DSL All components of this product are on the Canadian DSL
TSCA On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

SECTION 16. OTHER INFORMATION

WHMIS - GHS Label Information:

Hazard pictograms :



Health hazard

Signal word :

Warning:

Hazard statements :

Suspected of causing cancer.

Precautionary statements :

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection.

SAFETY DATA SHEET

ZEP GROOVY ANTI-SEIZE LUBRICANT

Version 3.1

Revision Date 10/01/2023

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Response: IF exposed or concerned: Get medical advice/ attention.

Disposal: Dispose of contents/container in accordance with local regulation.

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