



SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name:

RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Product Catalog No.:

64338 (8 oz)

Recommended Use:

FlexShaft® Drain Cleaning Machines, to lubricate FlexShaft Cable Assembly

Restrictions on Use:

NA

Company Information:

Issue Date: February 2019

Revision: A

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Section 2 – Hazards Identification

- **2.1 Classification of substance or mixture**
- **Classification according to regulation (EC) No 1272/2008**
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
The product is not classified as hazardous according to CLP regulation.

- **2.2 Label Elements**

- **Labelling according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
- **Hazard pictograms** Not Regulated
- **Signal Word** Not Regulated
- **Hazard statements** Not Regulated
- **Precautionary statements** Not Regulated.
- **NFPA ratings (Scale 0 - 4)**



Health = 1
Fire = 1
Reactivity = 0

- **HMIS-ratings (Scale 0 - 4)**



Health = 1
Fire = 1
Reactivity = 0

- **2.3 Other hazards** There are no other hazards not otherwise classified that have been identified.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Section 3 – Composition / Information On Ingredients

- **3.1 Mixtures**
- **Components:** None in reportable quantities.

Section 4 – First Aid Measures

- **4.1 Description of first aid measures**
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After skin contact:**
Wash with soap and water.
If skin irritation is experienced, consult a doctor.
- **After eye contact:**
Protect unharmed eye.
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
A person vomiting while lying on their back should be turned onto their side.
- **4.2 Most important symptoms and effects, both acute and delayed**
Gastric or intestinal disorders when ingested.
Headache
Breathing difficulty
Coughing
Dizziness
May cause gastro-intestinal irritation in ingested.
Nausea in case of ingestion.
- **4.3 Indication of any immediate medical attention and special treatment needed**
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary oedema.

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Section 5 – Fire Fighting Measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
 - Water haze or fog
 - Foam
 - Fire-extinguishing powder
 - Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
 - Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters:**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information:** Cool endangered receptacles with water fog or haze.

Section 6 – Accidental Release Measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation.
 - Wear protective equipment. Keep unprotected persons away.
 - Particular danger of slipping on leaked/spilled product.
 - For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions**
 - Do not allow to enter sewers/ surface or ground water.
 - Prevent from spreading (e.g. by damming-in or oil barriers).
- **6.3 Methods and material for containment and cleaning up**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Remove from the water surface (e.g. skim or suck off).
 - Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other section**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

See Section 13 for disposal information.

Section 7 – Handling And Storage

- **7.1 Precautions for safe handling**
Use only in well ventilated areas.
Avoid splashes or spray in enclosed areas.
Open and handle receptacle with care.
Keep out of reach of children.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Avoid storage near extreme heat, ignition sources or open flame.
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **7.3 Specific end use(s)** No further relevant information available.

Section 8 – Exposure Controls / Personal Protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.
- **8.2 Exposure controls**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Do not inhale gases /fumes/ aerosols.
Avoid contact with the eyes.
Avoid close or long term contact with the skin.
- **Respiratory protection:**
Not required under normal conditions of use.
Use suitable respiratory protective device when aerosol or mist is formed.
- **Protection of hands:**



Protective gloves

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Gloves are advised for repeated or prolonged contact.
Wear protective gloves to handle contents of damaged or leaking units.

▪ **Eye Protection:**



Safety glasses

▪ **Body Protection:**

Not required under normal conditions of use.
Protection may be required for spills.

▪ **Limitation and supervision of exposure into the environment:** Avoid release to the environment.

▪ **Risk Management measures:** No special requirements.

Section 9 – Physical And Chemical Properties

▪ **9.1 Information on basic physical and chemical properties**

▪ **Appearance:**

Form: Liquid
Colour: Colourless

▪ **Odour:** Mild

▪ **Odour threshold:** Not determined.

▪ **pH-value:** Not determined.

▪ **Melting point/freezing point:** Not determined.

▪ **Initial boiling point and boiling range:** Not determined.

▪ **Flash point:** 251 °C (483,8 °F) (open cup)

▪ **Flammability (Solid, gas):** Not Applicable.

▪ **Auto/Self-ignition temperature:** Not determined.

▪ **Decomposition temperature:** Not determined.

▪ **Explosive properties:** Product does not present an explosion hazard.

▪ **Explosion limits**

Lower: Not determined.
Upper: Not determined.

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

▪ Oxidising properties:	Not determined.
▪ Vapour pressure:	Not determined.
▪ Density:	
Relative density:	0,84
Vapour density:	Not determined.
Evaporation rate:	Not determined.
▪ Solubility in / miscibility with water:	Not Miscible or difficult to mix
▪ Partition coefficient: n-octanol/water:	Not determined.
▪ Viscosity	
Dynamic:	100 cP
Kinematic:	100-119 cST
▪ VOC content:	<1%
▪ 9.2 Other Information:	No further relevant information available.

Section 10 – Stability And Reactivity

- **10.1 Reactivity:** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with oxidising agents.
Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid:** Store away from oxidising agents.
- **10.5 Incompatible materials:** Oxidising agents.
- **10.6 Hazardous decomposition products**
Possible in traces:
Carbon monoxide and carbon dioxide
Hydrogen fluoride

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Fluorocarbons

Section 11 – Toxicological Information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** None
- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

- **Carcinogenic categories**

▪ IARC (International Agency for Research on Cancer):
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None of the ingredients are listed.

- **Probable routes of exposure:**
Eye Contact.
Skin contact.
Ingestion.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

Section 12 – Ecological Information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
Additional ecological information:
General notes: Avoid release to the environment.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects:** No further relevant information available.

Section 13 – Disposal Consideration

- **13.1 Waste treatment methods**
- **Recommendation**
Contact waste processors for recycling information.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

Section 14 – Transportation Information

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| ▪ 14.1 UN-Number |
| ▪ DOT, ADR/RID/ADN, IMDG, IATA: Not Regulated. |
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|---|
| ▪ 14.2 UN proper shipping name |
| ▪ DOT, ADR/RID/ADN, IMDG, IATA: Not Regulated. |
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| ▪ 14.3 Transport hazard class(es) |
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Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

▪ DOT, ADR/RID/ADN, IMDG, IATA ▪ Class:	Not Regulated.
▪ 14.4 Packaging group ▪ DOT, ADR/RID/ADN, IMDG, IATA:	Not Regulated.
▪ 14.5 Environmental hazards: ▪ Marine pollutant:	No
▪ 14.6 Special precautions for user:	Not applicable.
▪ 14.7 Transport in bulk according to Annex II of Marpol and IBC Code:	Not applicable.

Section 15 – Regulatory Information

▪ 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture ▪ United States (USA) ▪ SARA
▪ Section 302(extremely hazardous substances): None of the ingredients are listed.
▪ Section 355(extremely hazardous substances): None of the ingredients are listed.
▪ Section 313(Specific toxic chemical listings): None of the ingredients are listed.
▪ TSCA (Toxic Substances Control Act): None of the ingredients are listed.
▪ Proposition 65(California):
▪ Chemicals Known to cause cancer: None of ingredients are listed.
▪ Chemicals known to cause developmental toxicity for females: None of the ingredients are listed.
▪ Chemicals known to cause developmental toxicity for males: None of the ingredients are listed.
▪ Chemicals known to cause developmental toxicity: None of the ingredients are listed.
▪ EPA (Environmental Protection Agency) None of the ingredients are listed.

Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

▪ IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

▪ Canadian Domestic Substances List(DSL) (Substances not listed)

All ingredients are listed.

▪ Other regulations, limitations and prohibitive regulations

▪ Substances of very high concern(SVHC) according to REACH, Article 57

None of the ingredients are listed.

- **15.2 Chemical Safety assessment:** A Chemical Safety Assessment has not been carried out.



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Section 16 – Other Information

Prepared by:. Ridge Tool Company (Operating Standard 6-211)

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Product Name : RIDGID FlexShaft Lubricant (4 oz and 8 oz)

▪ **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level(REACH)

PNEC: Predicted No-Effect Concentration(REACH)

LC50: Lethal concentration, 50percent

LD50: Lethal dose, 50percent

PBT: Persistent, Bio-accumulable, Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

▪ **Sources**

Website, European Chemicals Agency(echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor
internet/registry/substreg/home/overview/ home.do)

Website, Chemical Abstracts Registry, American Chemical society(www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.