



SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name:
RIDGID PEX Expander Head Grease

Product Catalog No.:
81008

Recommended Use:
For Use with RPE 100 PEX Expander

Restrictions on Use:
Industrial use only

Company Information:

<u>North America</u>	<u>Australia</u>	<u>Europe</u>
Ridge Tool Company 400 Clark Street Elyria, Ohio 44035-6001 1-800-519-3456 (8:00 am – 5:00 pm EST, M-F) Emergency Telephone call 9-1-1 or local emergency number www.RIDGID.com	Ridge Tool Australia 127 Metrolink Circuit Campbellfield, VIC 3061 1-800-743-443 (8:30 am – 5:00 pm AEST, M-F) Emergency Telephone call 000 or local emergency number www.RIDGID.com.au	Ridge Tool NV Schurhovenveld 4820 3800 Sint-Truiden, Belgium +32 (0) 11 598 600 (8:00 am – 5:00 pm, M-F) Emergency Telephone call +32 (0) 11 598 600 or local emergency number www.RIDGID.eu

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Revision: A



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Section 2 – Hazards Identification

- 2.1 Risk category:** Not classified as hazardous under GHS.
- 2.2 Risk information:** No harm, avoid contact with the eyes.
- 2.3 Exposure route:** Inhalation, skin, eye contact and accidental ingestion.
- 2.4 Health hazards:** The degree of hazard depends on the length of contact, the amount of exposure and the speed of first aid and thorough treatment.
- Acute impact**
- Eye:** Direct contact may cause temporary redness and discomfort.
- Skin:** Single—short-time exposure will not have a major impact.
- Inhalation:** Single—short-time exposure will not have a major impact.
- Ingestion:** A small ingested amount may cause upset stomach
- Chronic influence**
- skin:** Repeated or prolonged exposure to oil may cause skin defatting and dermatitis.
- Inhalation:** No such valid information.
- Ingestion:** Repeated ingestion or swallowing a large amount may cause internal damage.
- 2.5 Effects and symptoms of overexposure:** Under normal use, a single exposure will not have a harmful effect.



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Section 3 – Composition / Information On Ingredients

- 3.1 Chemical category: Mixture
- 3.2 Physical form: Semi-fluid to semi-solid
- 3.3 Colour: White
- 3.4 Hazardous component * : None

<u>Chemical name</u>	<u>Cas number</u>	<u>%(w/w)</u>	<u>Symbol & Health Risk Terminology</u>
Aluminum stearate	637-12-7	32%	
Solvent dewaxed paraffin base oil	64742-65-0	68%	

*According to the European Directive 1999/45/EC (Article 3 [3])

Section 4 – First Aid Measures

- 4.1 Eye: Under the faucet or eye wash, flush the upper and lower eyelids to clear the eyes. If the pain persists, seek an ophthalmologist for further treatment.
- 4.2 Skin: Unblock the contaminants, wash thoroughly with soap and water until no chemicals remain, and seek to hospital for treatment if symptoms persist.
- 4.3 Inhalation: Bring the poisoned person away from the exposed area to fresh air as soon as possible, and send them to hospital for treatment if symptoms persist.
- 4.4 Ingestion: If you accidentally swallow a large amount of this product, do not induce vomiting and immediately seek medical treatment.
- 4.5 Note: No such information.
- 4.6 Tips for doctors: No such information.



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Section 5 – Fire Fighting Measures

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| 5.1 | Flammability: | Burned in an open fire. |
| 5.2 | Flash point: | Not applicable. |
| 5.3 | Ignition humidity: | Not applicable. |
| 5.4 | Lower explosion limit: | Not applicable. |
| 5.5 | Upper explosion limit: | Not applicable. |
| 5.6 | Hazardous characteristics: | None. |
| 5.7 | Extinguishing agent: | Use foam or use a lot of fine water mist when blazing. Use carbon dioxide, dry foam chemicals or water mist on low fires. Water can be used to cool containers exposed to fire. |
| 5.8 | Special fire fighting procedures and equipment: | <ol style="list-style-type: none">1. Firefighters should wear protective gear and respirators to fight fire in the upwind.2. Stop the leakage and flow of oil and use a fire-reducing agent to isolate all sources of ignition in the leak zone. If there is no danger, enter the disaster area and try to remove the storage container.3. Cool the container near the disaster area with water mist until the fire is reduced.4. Please note that this oil is easy to react with oxidants.5. Avoid inhaling harmful gases from high temperature combustion.6. Be careful not to spray the leaked oil directly from the high pressure water column. <p>Try to use automatic or fixed fire-reduction equipment to reduce fire, and personnel should avoid entering the disaster area.</p> |
| 5.9 | Harmful combustion products: | Generally, combustion produces carbon dioxide, moisture and other oxides, and incomplete combustion produces carbon monoxide. |
| 5.10 | Prohibited extinguishing agents: | Not determined. |



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Section 6 – Accidental Release Measures

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| 6.1 Personal protection precautions: | 1. Restrict access to the area before the contaminated area has been completely cleaned.
2. Make sure that the cleanup is performed by trained personnel.
3. Wear appropriate personal protective equipment. |
| 6.2 Environmental protection notes: | It is forbidden to use waste oil to flow into sewer lines, rivers and soil. Use a sealed container for proper storage. |
| 6.3 Elimination method: | Chemical cleaners are cleaned or buried in sand. |

Section 7 – Handling And Storage

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| 7.1 Precautions for safe handling | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. |
| 7.2 Conditions for safe storage, including any incompatibilities | |
| 7.3 Specific end-use(s) | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

See section 1. |



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Section 8 – Exposure Controls / Personal Protection

8.1 Industrial hygiene standards:

<u>Component</u>	<u>Cas number</u>	<u>Exposure limit</u>
unknown.		

8.2 Engineering Control

Local ventilation equipment: No need to use.

General ventilation equipment: Recommended.

8.3 Conventional operation of personal protective equipment

Respiratory protection: No special requirements.

Use the appropriate respirator: No special requirements.

Eye protection: No special requirements.

Hand protection: Wear protective gloves if prolonged or repeated contact is likely.

Skin protection: Wash thoroughly when eating and off work.

Personal hygiene measures: Wear impervious aprons and gloves made of PVC or synthetic rubber.

8.4 Leaked personal protective equipment

Respiratory protection: No special requirements.

Eye protection: No special requirements.

Skin protection: Wash thoroughly when eating and off work.

Precaution: Wear impervious aprons and gloves made of PVC or synthetic rubber to avoid eye contact, not to be taken orally, and to take appropriate protection.

Note: These operating precautions are based on normal room temperature operation.



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Section 9 – Physical And Chemical Properties

9.1 Appearance

Physical state: Semi-fluid to semi-solid grease.

Colour: White.

9.2 **Odour:** No odor

9.3 **Odour threshold:** No data available.

9.4 **pH:** No data available.

9.5 **Melting point:** No data available.

9.6 **Boiling point:** No data available.

9.7 **Drop Point:** No data available.

9.8 **Flash point:** No data available.

9.9 **Evaporation rate:** No data available.

9.10 **Flammability (solid, gas):** No data available.

9.11 **Lower and upper explosive (flammable) limits:** No data available.

9.12 **Vapour pressure:** No data available.

9.13 **Vapour density** No data available.

9.14 **Relative density** No data available.

9.15 **Solubility** Not dissolved in water.

9.16 **Partition coefficient: n-octanol/water** No data available.

9.17 **Auto-ignition temperature** No data available.

9.18 **Decomposition temperature** No data available.

9.19 **Viscosity** No data available.



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Section 10 – Stability And Reactivity

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| 10.1 Stability: | Stable under normal temperature and pressure. |
| 10.2 Reactivity | |
| Conditions to avoid contact: | High heat, open flame, strong oxidants. |
| Incompatibility: | No. |
| Decomposition products: | High thermal decomposition of hydrocarbons with various organic substances. |
| Polymerization hazard: | No polymer product. |

Section 11 – Toxicological Information

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| 11.1 Health hazards: | No significant harm effect data available. |
| 11.2 Sensitization: | No significant harm effect data available. |
| 11.3 Mutagenicity: | No significant harm effect data available. |
| 11.4 Reproductive hereditary: | No significant harm effect data available. |
| 11.5 Carcinogenicity: | No significant harm effect data available. |
| 11.6 Other health hazard information: | No significant harm effect data available. |

The potential hazards listed above are based on data from component studies of products or similar products or on the review of products by experts.

Section 12 – Ecological Information

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| 12.1 Environmental effects | No known significant effects or critical hazards. |
| 12.2 Bioaccumulative potential information | This product is not expected to bioaccumulate through food chains in the environment. |
| 12.3 Mobility in soil | Spillages are unlikely to penetrate the soil. |
| 12.4 Other ecological | This product is unlikely to disperse in water |



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Section 13 – Disposal Consideration

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| 13.1 Product waste disposal method: | If it is possible to try to recycle the waste, dispose of it in accordance with local regulations. |
| 13.2 Packaging waste disposal method: | If it is possible to try to recycle the waste, dispose of it in accordance with local regulations. |

Section 14 – Transportation Information

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| 14.1 UN-Number ADR,RID, AND IMDG, IATA | Not regulated as dangerous transport goods |
| 14.2 UN proper shipping name ADR,RID, AND IMDG, IATA | Void |
| 14.3 Transport hazard class(es) ADR,RID, AND IMDG, IATA | |
| Class | Void |
| Label | Void |
| Packing group | Not a DOT “Marine Pollutant” per 49CFR 171.8 |
| 14.4 ADR,RID, AND IMDG, IATA Marine pollution | Void |
| 14.5 Special precaution for user | Void |
| 14.6 Danger code(Kemler) EMS number | Void |
| 14.7 UN “Model Regulation” | Void |



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Section 15 – Regulatory Information

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| 15.1 Applicable regulations: | Labor safety and health facilities rules.
General rules for hazardous materials and hazardous materials.
Organic solvent poisoning prevention rules.
Permissible concentration standards for hazardous substances in the air of labor operations.
Road traffic safety rules.
Waste cleaning method.
Business waste storage and disposal methods and facilities standards.
Regulations for the management of dangerous goods for road transport.
Soil and groundwater pollution smelting method. |
| 15.2 Chemical inventory:
MITI:
EINECS:
DSL:

AICS:
PLCCS:
KECL:
TSCA:

IECSC: | All components are included in ENCS or its exemption.
All components are listed or exempted.
All chemical components in this article are listed in the DSL chemical substance catalog or exempt from the DSL chemical substance catalog.
All components are listed or exempted.
All components are listed or exempted.
All ingredients are listed, exempted or announced.
All chemical components in this item are listed in the TSCA chemical substance list or exempt from the TSCA chemical substance list.
All component points are listed or exempted. |
| 15.3 Label according to EU guidelines | Classification of dangerous goods in accordance with EU Community Directives
This product does not require a hazard warning label. |
| 15.4 REGULATORY INFORMATION | Republic of Korea - KECL(Korea Existing Chemicals List)
All of the components of this material are on the Existing Chemicals List (ECL) in Republic of Korea.

USA - OSHA (Occupational Safety and Health Administration)
This product is not hazardous according to the OSHA |



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Hazard Communication Standard, 29CFR 1910.1200

USA - TSCA inventory (Toxic Substances Control Act)
All of the components of this material are on the TSCA Chemical Inventory

USA - CERCLA (Comprehensive Environmental Release, Compensation & Liability Act)
This product contains no hazardous chemical substance according to CERCLA regulations.

China - IECSC (Inventory of the Existing Chemical Substances in China)
All of the components of this material are on the IECSC Chemical Inventory

EU - Classification information
This information is regulated by EC 1907/2006 (REACH).
This product contains no hazardous chemical substance according to REACH regulations.
Material is not hazardous as defined by the EU Dangerous Substances/Preparations Directives

G. Canada - Domestic Substance List (DSL) and Non-Domestic Substance List (NDSL)
All the components of this material are on the Canadian Domestic Substances List (DSL).

H. None of the ingredients are listed
1) Rotterdam Convention (PIC)
2) Stockholm Convention on Persistent Organic Pollutants (POPs)
3) Montreal Protocol on Substances that Deplete the Ozone Layer
4) Mexico National Inventory of Chemical Substances (INSQ) and Strategic Approach to International Chemicals Management (SAICM)



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Section 16 – Other Information

Prepared by..... Ridge Tool Company
Operating Standard..... 6-312, Rev. A
Engineering Change..... ECN003752/02
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