Safety Data Sheet  
acc. to OSHA HCS

· Product identifier
  · Trade name: Poly 7 High Temp Grease - 4050
  · Article number: 11435-2G/150

· Details of the supplier of the safety data sheet
  · Supplier:
    Champion Brands, LLC 1001 Golden Drive, Clinton, MO 64735
    www.championbrands.com
  · Information department: Technical Department
  · Emergency telephone number: During normal opening hours: 1-800-821-5693

2 Hazard(s) identification

· Classification of the substance or mixture

  GHS07

  Eye Irrit. 2A H319 Causes serious eye irritation.
  Aquatic Acute 3 H402 Harmful to aquatic life.
  Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· Label elements
  · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  · Hazard pictograms

  GHS07

· Signal word Warning

· Hazard statements
  Causes serious eye irritation.
  Harmful to aquatic life.
  Harmful to aquatic life with long lasting effects.

· Precautionary statements
  Wash thoroughly after handling.
  Avoid release to the environment.
  Wear eye protection / face protection.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  If eye irritation persists: Get medical advice/attention.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:
  · NFPA ratings (scale 0 - 4)
    Health = 2
    Fire = 1
    Reactivity = 0

(Contd. on page 2)
Trade name: Poly 7 High Temp Grease

- HMIS-ratings (scale 0 - 4)
  
  **HEALTH**
  - Health = *2
  
  **FIRE**
  - Fire = 1
  - Reactivity = 0

- Other hazards
- Results of PBT and vPvB assessment
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Dangerous components</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>68515-88-8</td>
<td>Pentene, 2,4,4-trimethyl-sulfurized</td>
</tr>
<tr>
<td>688-74-4</td>
<td>Tributyl borate</td>
</tr>
<tr>
<td>68457-79-4</td>
<td>Zinc Dialkylthiophosphate</td>
</tr>
<tr>
<td>68457-79-4</td>
<td>Zinc Dialkylthiophosphate</td>
</tr>
</tbody>
</table>

### 4 First-aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact:
  - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
  - If symptoms persist consult doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.

### 5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1:
| 688-74-4 tributyl borate | 0.37 ppm |
| 91-20-3 naphthalene | 15 ppm |

PAC-2:
| 688-74-4 tributyl borate | 4.1 ppm |
| 91-20-3 naphthalene | 83 ppm |

PAC-3:
| 688-74-4 tributyl borate | 25 ppm |
| 91-20-3 naphthalene | 500 ppm |

Handling and storage

Handling:
Precautions for safe handling No special precautions are necessary if used correctly.
Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s) No further relevant information available.

Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters
Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Breathing equipment: Not required.
Trade name: Poly 7 High Temp Grease

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation of the glove material

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:
Form: Semi-Solid
Color: Green
Odor: Petroleum-like
Odor threshold: Not determined.

pH-value: Not determined.

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 370-595 °C (698-1,103 °F)

Flash point: >150 °C (>302 °F)

Flammability (solid, gaseous): Not applicable.
Ignition temperature: >315 °C (>599 °F)
Decomposition temperature: Not determined.
Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapor pressure at 20 °C (68 °F): 0 hPa (0 mm Hg)
Density at 20 °C (68 °F): 0.90345-0.90664 g/cm³ (7.53929-7.56591 lbs/gal)
### 10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  - Possibility of hazardous reactions: No dangerous reactions known.
  - Conditions to avoid: No further relevant information available.
  - Incompatible materials: No further relevant information available.
  - Hazardous decomposition products: No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**:

  | 68457-79-4 Zinc Dialkylthiophosphate |
  | Oral LD50 | 2,000-5,000 mg/kg (rat) |
  | Dermal LD50 | >2,000 mg/kg (rabbit) |

- **Primary irritant effect**:
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
  - Sensitization: No sensitizing effects known.

- **Additional toxicological information**:
  The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

- **Carcinogenic categories**
  - NTP (National Toxicology Program)
    | 91-20-3 naphthalene |
    | R |
12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:**
    - 68457-79-4 Zinc Dialkylthiophosphate
      - EC50: 1-5 mg/L (Scenedesmus subspicatus (Alga))
        - 4-6 mg/L (daphnia)
      - LC50: >100 mg/L (Fish)
    - **Persistence and degradability** No further relevant information available.
    - **Behavior in environmental systems:**
    - **Bioaccumulative potential** No further relevant information available.
    - **Mobility in soil** No further relevant information available.
    - **Ecotoxicological effects:**
      - **Remark:** Harmful to fish
    - **Additional ecological information:**
    - **General notes:**
      - Water hazard class 1 (Self-assessment): slightly hazardous for water
      - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
      - Harmful to aquatic organisms
    - **Results of PBT and vPvB assessment**
      - **PBT:** Not applicable.
      - **vPvB:** Not applicable.
    - **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
  - DOT, ADN, IMDG, IATA not regulated
- **UN proper shipping name**
  - DOT, ADN, IMDG, IATA not regulated
- **Transport hazard class(es)**
  - DOT, ADN, IMDG, IATA not regulated
Trade name: Poly 7 High Temp Grease

- Packing group
  - DOT, IMDG, IATA: not regulated
- Environmental hazards:
  - Marine pollutant: No
- Special precautions for user: Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
- UN "Model Regulation": not regulated

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.
    - Section 313 (Specific toxic chemical listings):
      | Substance | Concentration |
      |-----------|--------------|
      | 68457-79-4 Zinc Dialkylthiophosphate | 0.5-1.5% |
      | 68457-79-4 Zinc Dialkylthiophosphate | ≥0.1-≤1% |
      | 91-20-3 naphthalene | 0.0004% |
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  - TSCA new (21st Century Act)
    | Substance | STATUS |
    |-----------|--------|
    | Pentene, 2,4,4-trimethyl-sulfurized | ACTIVE/EXEMPT |
    | tributyl borate | ACTIVE/EXEMPT |
    | Zinc Dialkylthiophosphate | ACTIVE/EXEMPT |
    | Zinc Dialkylthiophosphate | ACTIVE/EXEMPT |
- Proposition 65
  - Chemicals known to cause cancer:
    | Substance | | |
    |-----------|--|
    | 91-20-3 naphthalene | |
  - Chemicals known to cause reproductive toxicity for females:
    None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for males:
    None of the ingredients is listed.
  - Chemicals known to cause developmental toxicity:
    None of the ingredients is listed.
- Carcinogenic categories
  - TLV (Threshold Limit Value established by ACGIH)
    | Substance | | |
    |-----------|--|
    | 91-20-3 naphthalene | A4 |
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.
- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: Poly 7 High Temp Grease

- **Hazard pictograms**

  ![Hazard pictogram]

  GH507

- **Signal word** Warning

- **Hazard statements**
  - Causes serious eye irritation.
  - Harmful to aquatic life.
  - Harmful to aquatic life with long lasting effects.

- **Precautionary statements**
  - Wash thoroughly after handling.
  - Avoid release to the environment.
  - Wear eye protection / face protection.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - If eye irritation persists: Get medical advice/attention.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

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

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Technical Department
- **Contact:** Ms. McDaniel
- **Date of preparation / last revision** 03/01/2019 / 2
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  - Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
  - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* Data compared to the previous version altered.