Section 1. Identification

Product Identifier: Dynatex® 49594 White Lithium Grease
Synonyms: 49594WH12
Manufacturer Stock Numbers: 49594WH12

Recommended use: Refer to Technical Information
Uses advised against: Refer to Technical Information

Manufacturer Contact
Address: Dynatex a division of Soudal Accumetric
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone: (270) 769-3385
Emergency Phone: (800) 424-9300
Fax: (270) 769-6418

Section 2. Hazards Identification

Classification: SENSITIZATION - SKIN - Category 1
Signal Word: Warning
Pictogram:

Hazard Statements: May cause an allergic skin reaction
Precautionary Statements: Response
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Read label before use.
Wash contaminated clothing before reuse.

Prevention
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

Storage
N/A

Disposal
Dispose of contents/container in accordance with local, state and federal regulations.

Ingredients of unknown toxicity
0%

Hazards not Otherwise Classified

Supplemental label elements
DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Please refer to the SDS for additional information. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.

Additional Information
None known

Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>57855-77-3</td>
<td>calcium bis(dinonylnaphthalenesulphonate)</td>
<td>0.1% - 1%</td>
</tr>
<tr>
<td>1314-13-2</td>
<td>Zinc Oxide</td>
<td>1% - 5%</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye Contact
Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact
Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if irritation develops.

Inhalation
If affected, remove from exposure. Restore breathing. Keep warm and quiet.

Ingestion
DO NOT INDUCE VOMITING. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media
Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media
None known
Unusual Fire or Explosion Hazards
Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Special Fire Fighting Procedures
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to keep cool closed containers to prevent build-up and possible auto-ignition or explosion when exposed to extreme heat. Use proper equipment to protect personnel from bursting containers.

Section 6. Accidental Release Measures
Steps to be taken in case of spill or release
Avoid breathing vapors. Ventilate area. Remove all ignition sources of ignition. Clean up area absorbent material and place in closed containers for disposal.
Dispose of in accordance with local, state and federal regulations.
Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

Section 7. Handling and Storage
Handling
Keep area well ventilated during use and until all vapors are gone. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off all stoves, electric tools, appliances and any other sources of ignition. Keep away from heat, sparks and open flame. Vapors will accumulate readily and may ignite explosively.
Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents are under pressure. Do not puncture, incinerate or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water or other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

Important
Extremely flammable. Contents under pressure. Do not smoke while using or use near open flame. Container may explode if heated in any manner. Protect from sunlight and do not expose to temperatures exceeding 122F/50C (ex: electric lights). Do not pierce or burn container, even after use. Do not spray on a naked flame and any incandescent material. DO NOT SMOKE WHILE USING THIS PRODUCT.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>calcium bis(dinonylnaphthalenesulphonate)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>2 mg/m3</td>
<td>5 mg/m3</td>
<td>10 mg/m3</td>
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</tbody>
</table>
Personal Protective Equipment

Ventilation
Local exhaust preferable. General exhaust acceptable if exposure is below applicable exposure limits.

Respiratory Protection
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Eye Protection
Wear tightly sealed goggles with unperforated side shields.

Skin Protection
None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Other Precautions
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Precautionary Measures
Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present as hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are:

- ACGIH TLV 10 mg/m$^3$ (total dust) 3 mg/m$^3$ (respirable fraction)
- OSHA PEL 15 mg/m$^3$ (total dust) 5 mg/m$^3$ (respirable fraction)

### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild, petroleum</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.9</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>N/A</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>435F</td>
</tr>
<tr>
<td>FP Method</td>
<td>COC</td>
</tr>
<tr>
<td>Ph</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>345F</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>7</td>
</tr>
<tr>
<td>UEL</td>
<td>9</td>
</tr>
</tbody>
</table>
Evaporation Rate  < 0.01
Flammability  N/A
Decomposition Temperature  N/A
Auto-ignition Temperature  N/A
Vapor Pressure  N/A
Vapor Density  < 0.01 mm
Hg

Note  The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Chemical Stability</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to Avoid</td>
<td>None known</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Carbon monoxide, carbon dioxide</td>
</tr>
<tr>
<td>Hazardous polymerization</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

Section 11. Toxicological Information

Carcinogenicity  No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
Component Toxicology Information  Some animal studies with poor controls have indicated that Bitumens (asphalt) cause tumors, however, there is inadequate evidence that bitumens alone are carcinogenic to humans.

Prolonged overexposure to solvent ingredients may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

NIOSH - Selected LD50s and LC50s

Propane (74-98-6)
LC50 Rat 4 hour Not Available
LD50 Rat 4 hour Not Available

Butane (106-97-8)
LC50 Rat 4 hour Not Available
LD50 Rat 4 hour Not Available

Mineral Spirits (64742-88-7)
LC50 Rat 4 hour Not Available
LD50 Rat 4 hour Not Available

Toluene (108-88-3)
LC50 Rat 4 hour 4000 ppm
LD50 Rat 4 hour 500 mg/kg

Asphalt (Petroleum) (8052-42-4)
LC50 Rat 4 hour Not Available
LD50 Rat 4 hour Not Available
Calcium Carbonate (471-34-1)
LC50 Rat 4 hour Not Available
LD50 Rat 4 hour Not Available

**Chronic Hazards**
Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

### Section 12. Ecological Information

- **Fate and Effects in Waste Water Treatment Plants**: Complete information is not yet available.
- **Environmental Effects**: Complete information is not yet available.
- **Environmental Fate and Distribution**: Complete information is not yet available.

### Section 13. Disposal

- **Waste Disposal Method**: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA). Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State and local regulations regarding pollution.
  We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

### Section 14. Transport Information

- **UN Number**: N/A
- **UN Proper Shipping Name**: N/A
- **DOT Classification**: N/A
- **Packing Group**: N/A
- **Special precautions for user**: Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

### Section 15. Regulatory Information

- **TSCA Status**: All chemical substances found in this product comply with the Toxic
<table>
<thead>
<tr>
<th>Substances Control Act inventory reporting requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SARA Title III Section 302</strong></td>
</tr>
<tr>
<td><strong>Extremely Hazardous Substances</strong></td>
</tr>
<tr>
<td><strong>SARA Title III Section 304</strong></td>
</tr>
<tr>
<td><strong>CERCLA Hazardous Substances</strong></td>
</tr>
<tr>
<td><strong>SARA Title III Section 313</strong></td>
</tr>
<tr>
<td><strong>Toxic Chemicals</strong></td>
</tr>
<tr>
<td><strong>California Proposition 65</strong></td>
</tr>
</tbody>
</table>

## Section 16. Other Information

| **Revision Date** | 12/21/2015 |
| **Disclaimer** | The data contained herein is based upon information that Soudal Accumatic believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. |