



## 1. Identification of the substance/preparation and of the company/undertaking

**1.1 Product Name:** Reactor LL Lane Conditioner  
**Other Means of ID:** None  
**Part Number(s):** 294-006-062i, 294-006-065i  
**1.2 Recommended Use:** Bowling Lane Conditioner  
**Restrictions on Use:** None  
**1.3 Manufacturer:** QubicaAMF Worldwide, LLC.  
 8100 AMF Drive  
 Mechanicsville, VA 23111, USA  
**Phone:** (804) 730-4000; (800) 342-5263  
**E-mail:** [EU-Chemicals@qubicaamf.com](mailto:EU-Chemicals@qubicaamf.com) (Worldwide); [INFOSDS@qubicaamf.us](mailto:INFOSDS@qubicaamf.us) (USA)  
**1.4 Emergency Phone:** ChemTel 24-hour Emergency Numbers  
**USA, Canada, Puerto Rico, U.S. Virgin Islands:** 1-800-255-3924  
**Australia:** 1-300-954-583  
**Brazil:** 0-800-591-6042  
**China:** 400-120-0751  
**India:** 000-800-100-4086  
**Mexico:** 01-800-099-0731  
**All other countries:** +1-813-248-0585 (collect calls accepted)

## 2. Hazards identification

**2.1 Classification of the substance or mixture:** This product is considered hazardous according to 29 CFR 1910.1200 and (EC) No. 1272/2008. This SDS is written to conform to both US and EU jurisdictions.

### 2.2 Label Elements



**Pictogram(s)/Symbol(s):** GHS07

**Signal Word:** Warning

Eye Irritant 2

Skin Irritant 2

Chronic Aquatic 4

### Hazard statements

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H413: May cause long lasting harmful effects to aquatic life.

### Precautionary Statements

**Prevention:** P264: Wash hands thoroughly after handling.  
 P280: Wear protective gloves and splash resistant eye protection (goggles).  
 P273: Avoid release to the environment.

**Response:** P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if easy to do, and continue rinsing.  
 P337+P313: If eye irritation persists, get medical attention.  
 P302+P352: If on skin, wash with plenty of soap and water.  
 P321: No specific treatment is anticipated.  
 P332+P313: If skin irritation occurs, get medical attention.  
 P362: Take off contaminated clothing and wash before reuse.

### Storage:

**Disposal:** P501: Dispose of contents and container as required by all local, state, federal and international laws or regulations.

**2.3 Hazards not otherwise classified:** None

**Unknown toxicity:** None

## 3. Composition/information on ingredients

### Substance/preparation: preparation

| Chemical name*                             | CAS Number | Concentration by weight (%) | EC Number | Classification* |
|--|------------|-----------------------------|-----------|-----------------|
| White mineral oil (petroleum)              | 8042-47-5  | 85-95 <sup>†</sup>          | 232-455-8 | ---             |
| glycols, polyethylene mono(trimethylnonyl) | 60828-78-6 | 2-4 <sup>†</sup>            | 612-043-8 | ---             |
| Hexadecane                                 | 544-76-3   | 0-1 <sup>†</sup>            | 208-878-9 | ---             |

<sup>†</sup>Exact concentration(s) and specific chemical identity have been withheld as trade secret.

\*Occupational Exposure Limit(s), if available, are listed in section 8. See section 16 for the full text of the R phrases declared above.

## 4. First Aid Measures



**4.1 Description of first aid measures**

**Skin Contact:** No emergency care anticipated. Wash skin with soap and water. Remove contaminated clothing and wash before reuse. Seek medical assistance if irritation persists.

**Eye Contact:** No emergency care anticipated. While holding eyes open, flush eyes thoroughly with water for at least 15 minutes. If wearing contact lenses, remove lenses and flush eyes for several minutes. Seek medical attention if irritation continues.

**Ingestion:** Do not induce vomiting unless directed to do so by medical professional. Treat symptomatically. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove victim from to fresh air and away from further exposure. Qualified personnel may give oxygen if breathing is difficult or cyanosis (blue discoloration of the skin) is noted. Give artificial respiration if subject is not breathing. Seek medical assistance if breathing difficulty continues.

**4.2 Most Important Symptoms (acute and delayed)**

**Skin Absorption:** This product is not expected to be harmful during short periods of contact. Repeated or prolonged contact with product may lead to skin irritation.

**Eye Contact:** Eye irritation may occur. Eye damage is unlikely.

**Ingestion:** Ingestion of small amounts of product is unlikely to cause injury and unlikely to have any toxic effects. The product may act as an intestinal lubricant and result in diarrhea. If vomiting occurs, aspiration may cause delayed pulmonary edema and chemical pneumonia.

**Inhalation:** This product is not likely to cause an inhalation hazard during normal recommended usage. Inhalation of mist or spray may be harmful and may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at levels above the recommended exposure limit. Aspiration may cause pulmonary edema or aspiration pneumonia. Oil deposits in the lung may lead to fibrosis and reduced pulmonary function.

**4.3 Indication of Immediate Medical Attention and Special Treatment Needed**

Physician should treat symptomatically. Show physician this safety data sheet.

**5. Fire Fighting Measures**

**5.1 Extinguishing Media**

**Suitable:** Treat as an oil fire. Use CO<sub>2</sub>, dry powder, universal-type foam, and water fog

**Unsuitable:** Oil will float on water and can spread any fire.

**5.2 Specific Hazards Arising from Chemical:** Material may splatter if temperature exceeds boiling point. Polymer film can burn.

**Hazardous Combustion Products:** Burning can produce soot, carbon dioxide, and other oxides

**5.3 Special Fire Fighting Procedures:** Use water spray to cool fire-exposed containers and structures.

**Special Protective Equipment for Firefighters:** Wear full protective gear and a self-contained breathing apparatus with full face-piece; MSHA/NIOSH approved or equivalent; operated in positive pressure mode.

**5.4 Additional Information**

Flash Point: >98.8°C (210°F)

Method: PMCC

**6. Accidental Release Measures**

**6.1 Personal Precautions:** Wear protective clothing including gloves and eye protection when taking up spills. Eliminate any ignition sources.

**6.2 Environmental Precautions:** This product is insoluble in water and will float on the surface. Prevent from entering sewers or drains.

**6.3 Methods for Containment and Clean-up:** Spills of this product can cause floor to be slippery. Use care to avoid falling. Cover drains and use spill dams to prevent spills from spreading. Absorb spilled product on an inert material such as sand, earth, or vermiculite. Spill clean-up materials should be collected in appropriately labeled containers for disposal. Dispose of material as required by all local, state, federal and international regulations and laws.

**6.4 References to other sections:** Note: see section 8 for personal protective equipment and section 13 for disposal considerations.

**7. Handling and Storage**

**7.1 Safe Handling Precautions:** Keep containers tightly closed to prevent contamination. Wear suitable personal protective equipment including gloves and splash resistant eye protection. Wash hands after use.

**7.2 Safe Storage Requirements:** Normal precautions should be followed in handling and storage. Keep container tightly closed. Storage between 4°C and 37°C (40°F - 100°F) is recommended.

**7.3 Specific End Use(s):** This product is intended for use as directed by the manufacturer and on the product label.

**8. Exposure Controls/Personal Protection**

**8.1 Control Parameters**

**Exposure Limite/Standards**

| Substance Name                | Form                      | Limit/Standard            | Note | Source                     |
|-------------------------------|---------------------------|---------------------------|------|----------------------------|
| White mineral oil (petroleum) | Inhalable fraction (mist) | TWA – 5 mg/m <sup>3</sup> |      | ACGIH, OSHA PEL, NIOSH REL |

**8.2 Exposure Controls**

**Engineering Measures:** Local exhaust is preferred. Mechanical ventilation is acceptable. Special measures are not normally necessary under normal usage of product.



**Hygiene Measures:** Wash hands thoroughly after handling and at the end of the day. Remove contaminated clothing and clean it before re-use.

**Respiratory Protection:** Special respiratory protection is not required with normal usage of product. If vapor and/or mist are generated by heating, spraying, etc., wear an organic vapor respirator with an oil mist filter.

**Hand and Skin Protection:** Wear oil resistant gloves and protective clothing to minimize contact.

**Eye Protection:** Appropriate eye protection should always be worn when handling chemicals. Splash resistant eyewear is recommended when splashing is a concern.

**Environmental Controls:** See Section 7: Handling and Storage and Section 13: Disposal Considerations for measures to prevent environmental exposure during use and waste disposal.

## 9. Physical and Chemical Properties

### 9.1 Information on basic chemical and physical properties

**Appearance:** Water clear and slightly tinged liquid

**Odor:** Mild, vanilla-like odor

**Odor threshold:** Not determined

**Specific Gravity (H<sub>2</sub>O=1):** 0.870 @ 20°C

**pH:** Not determined

**Melting/freezing point:** Not determined

**Initial boiling point/boiling range:** Not determined

**boiling range**

**Solubility in H<sub>2</sub>O:** Insoluble

**Evaporation rate:** Not determined

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Partition coefficient (N-octanol/water):** Not determined

**Viscosity (cps):** 43.0 @ 38°C

**Flash Point:** >98.8°C (210°F)

**Method:** PMCC

**Flammability (solid, gas):** Not determined

**Explosive limits:** Not determined

**Auto ignition temp.:** Not determined

**Decomposition temp.:** Not determined

## 10. Stability and Reactivity

**10.1 Reactivity:** Non-reactive when used according to specifications

**10.2 Stability:** Stable

**10.3 Possibility of hazardous reactions:** None under normal processing

**10.4 Conditions to avoid:** Avoid high heat, flames and sparks as a precaution.

**10.5 Incompatible Materials:** Product is normally unreactive.

**10.6 Hazardous Decomposition Products:** Burning can produce soot, carbon dioxide, carbon monoxide and other oxides.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

This product has not undergone animal lab testing to determine toxicity. Specific test data for the mixture is not available. Toxicological data for primary ingredient(s):

### 11.1 Information on the toxicological effects

| Product  | Species | Test Results |
|--|---------|--------------|
| White mineral oil (petroleum) (CAS #8042-47-5) |         |              |
| <b>Acute:</b> Dermal LD50                      | Rat     | >5g/kg       |
| Oral LD50                                      | Rat     | >5000 mg/kg  |

### Information on Likely Routes of Exposure and Toxicological Effects

**Skin contact:** Prolonged or repeated contact may lead to skin irritation by dermatitis.

**Inhalation:** Inhalation of mist or spray may be harmful.

**Eye contact:** Product may be irritating to the eyes causing swelling, tearing and redness.

**Ingestion:** Ingestion of product may cause nausea, vomiting and diarrhea.

**Numerical measures of toxicity:** The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral):** 5022 mg/kg

**ATEmix (dermal):** 2487 mg/kg

**ATEmix (inhalation-vapors):** 11.7 mg/l

## 12. Ecological Information

There is no ecotoxicity data available for this product. Based on data available for white mineral oil (primary ingredient), this product is not expected to be readily biodegradable. Keep product out of sewage and drainage systems and all bodies of water as the toxicity of this material to aquatic organisms has not been evaluated.

**12.1 Toxicity:** No data available

**12.2 Persistence and degradability:** No data available

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** No data available

**12.5 Results of PBT and vPvB assessment:** No data available

**12.6 Other adverse effects:** No data available

## 13. Disposal Considerations

**13.1 Waste treatment methods:** Dispose of product as used oil at designated sites. Minimize skin contact. Product packaging may be recycled or disposed at a designated facility. Empty container may contain residues. Do not attempt to clean or refill containers. European Waste Code: 13 08 99; Note: these codes are assigned based upon the



most common uses for this material and may not reflect contaminants from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

**Methods of Disposal:** Dispose of all waste in accordance with appropriate international, federal, state and local environmental control regulations.

**Recommendations:** Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. The product may be collected and recycled at an oil recycling facility. Empty containers should be recycled by a licensed facility or taken to an appropriate waste facility for disposal.

#### 14. Transport Information

**14.1 UN Number:** None

**14.2 Proper shipping name/Technical name:** Not regulated

**14.3 Transport hazard class(es):** Not applicable

**DOT/ADR/RID (Road/Rail Transport):** This product is not regulated by DOT/ADR/RID.

**IMDG/IMO Classification (Sea Transport):** This product is not regulated by IMDG/IMO.

**ICAO/IATA Classification (Air Transport):** This product is not regulated by ICAO/IATA.

**14.4 Packaging group:** Not applicable

**14.5 Environmental hazards:** Not applicable

**14.6 Special precautions for user:** Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Consult IMO regulations before transporting ocean bulk.

#### 15. Regulatory Information

##### 15.1 Safety, health, and environmental regulations/legislation specific for the substance/mixture

**US Regulations:** This product is classified as an irritant, a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**State Regulations: California:** This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**EU Regulations:** The preparation is classified as dangerous; an irritant preparation; according to Directive REACH (EC) No. 1907/2006 and its amendment CLP (EC) No. 1272/2008.

**Safety Phrase(s):** S2: Keep out of the reach of children.

S7: Keep container tightly closed.

S24/25: Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye/face protection

**15.2 Chemical safety assessment:** Not applicable

#### 16. Other Information

Full text of R-phrases, if any, with number appearing in section 3:

##### NFPA Rating

Health: 1  
Flammability: 1  
Instability: 0  
Hazards: None

##### HMIS III Rating

Health: 1  
Flammability: 1  
Physical Hazard: 0  
PPE: B

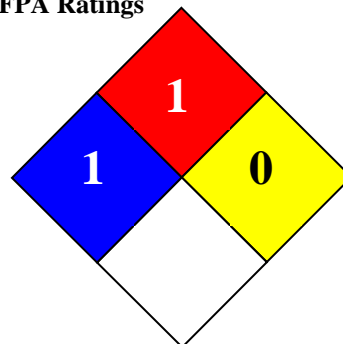
##### Hazard Rating Legend

0: Minimal Hazard  
1: Slight Hazard  
2: Moderate Hazard Special  
3: Serious Hazard  
4: Severe Hazard

##### HMIS III Ratings

|                             |          |
|-----------------------------|----------|
| <b>HEALTH</b>               | <b>1</b> |
| <b>FLAMMABILITY</b>         | <b>1</b> |
| <b>PHYSICAL HAZARD</b>      | <b>0</b> |
| <b>PROTECTIVE EQUIPMENT</b> | <b>B</b> |

##### NFPA Ratings



**SDS:** Reactor LL Lane Conditioner

**SDS Revision Level:** 2.5

**SDS Revision Date:** 6 September 2017

**Revision Reason(s):** Updated emergency contact information

##### Notice to Reader:

Health and safety information presented on this form is generally applicable for recommended usage of this product. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.