# Guardsman Food Machinery Alum Complex #2

**Product Number:** 34323-1
**MSDS Revision Date:** 08/22/2014

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier** Guardsman Food Machinery Alum Complex #2

Product Code 34323

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer** LUBRICATING SPECIALTIES COMPANY
8015 PARAMOUNT BLVD.
PICO RIVERA, CA 90660

**Telephone No.** (562) 776-4000

**1.4. Emergency telephone number**

(800) 424-9300 24hr

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

Eye Irrit. 2;H319 Causes serious eye irritation

**2.2. Label elements**

Using the Toxicity Data listed in section 11 & 12 the product is labeled as follows.

**Warning**

H319 Causes serious eye irritation

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

P337+313 If eye irritation persists: Get medical advice / attention.

P391 Collect spillage.

P501 Dispose of contents / container in accordance with local / national regulations.

| | | | | | |
|---|---|---|---|---|---|
| **HMIS** | **Health:** | 0 | **NFPA** | **Health:** | 0 |
| | **Fire:** | 1 | | **Fire:** | 1 |
| | **Physical Hazards:** | 0 | | **Reactivity:** | 0 |
| | **PPE:** | C | | **Special Hazards:** | -- |

### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## SECTION 3: Composition/information on ingredients

| Ingredient/Chemical Designations | Weight % | EC No. 1272/2008 / GHS Classification |
|---|---|---|
| Mineral oil<br>CAS Number: 0008042-47-5 | <90 | Not Classified |
| Oxoaluminum Stearate/Benzoate<br>CAS Number: Proprietary or N/A | <10 | Not Classified |
| Titanium dioxide<br>CAS Number: 0013463-67-7 | <10 | Not Classified |
| Benzoic acid<br>CAS Number: 0000065-85-0 | <3 | Acute Tox. 4;H302<br>Eye Dam. 1;H318 |
| Palmitic acid<br>CAS Number: 0000057-10-3 | <3 | Not Classified |
| Polyisobutylene<br>CAS Number: 0009003-27-4 | <3 | Not Classified |

*The full texts of the phrases are shown in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General**

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation**

If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.

**Skin**

In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

**Eye**

In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.

**Ingestion**

Do not induce vomiting. Call a physician or emergency medical facility immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

No data available

### 4.3. Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Use Carbon dioxide (CO2), dry chemical, or foam to extinguish flames.

### 5.2. Special hazards arising from the substance or mixture

Hazardous Decomposition Products: May form CO and CO2.

### 5.3. Advice for fire-fighters

Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from fire fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.

### 6.2. Environmental precautions

Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.

### 6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.
Dispose of in accordance with all federal, state, and local environmental regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling**

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

**In Storage**

Store in a dry location at room temperature.

Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from strong oxidizing and reducing agents.

CAUTION!!! Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

### 7.3. Specific end use(s)

There are no exposure scenarios, see details in section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**The following occupational exposure limits have been established.**

| CAS Number | Ingredient | Source | Value |
|---|---|---|---|
| 0000057-10-3 | Palmitic acid | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0000065-85-0 | Benzoic acid | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0008042-47-5 | Mineral oil | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0009003-27-4 | Polyisobutylene | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0013463-67-7 | Titanium dioxide | OSHA | TWA 15 mg/m3 |
| | | ACGIH | 10 mg/m3 TWA |
| | | NIOSH | No Established Limit |
| Proprietary or N/A | Oxoaluminum Stearate/Benzoate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

**Carcinogen Data**

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 0000057-10-3 | Palmitic acid | OSHA | Select Carcinogen: No |
| | | IARC | Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No; |
| 0000065-85-0 | Benzoic acid | OSHA | Select Carcinogen: No |
| | | IARC | Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No; |
| 0008042-47-5 | Mineral oil | OSHA | Select Carcinogen: No |
| | | IARC | Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No; |
| 0009003-27-4 | Polyisobutylene | OSHA | Select Carcinogen: No |
| | | IARC | Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No; |
| 0013463-67-7 | Titanium dioxide | OSHA | Select Carcinogen: No |
| | | IARC | Group 1: No; Group 2A: No; Group 2B: Yes; Group 3: Yes; Group 4: No; |
| Proprietary or N/A | Oxoaluminum Stearate/Benzoate | OSHA | Select Carcinogen: No |
| | | IARC | Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No; |

### DNEL/PNEC values

No Data Available

### 8.2. Exposure controls

No special requirements under ordinary conditions of use and with adequate ventilation.

### Eye/face protection

Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

### Skin protection

Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

### Other

Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.

### Respiratory protection

Use NIOSH/OSHA approved respirator where high vapor concentrations are present.

### Thermal hazards

No Data Available

## SECTION 9: Physical and chemical properties

| | |
|---|---|
| **Appearance** | AMBER GREASE |
| **Odor** | Petroleum Odor |
| **Odor threshold** | Not Determined |
| **pH** | Not Measured |
| **Melting point / freezing point (C)** | Not Determined |
| **Initial boiling point and boiling range (C)** | Not Measured |
| **Flash point (C)** | > 180 |
| **Evaporation rate (H20 = 1)** | Not Determined |
| **Flammability (solid, gas)** | Not Applicable |
| **Upper/lower flammability or explosive limits** | |
| **Lower Explosive Limit:** | Not Determined |
| **Upper Explosive Limit:** | Not Determined |
| **Vapor pressure (Pa)** | Not Determined |
| **Vapor density** | Heavier than air. |
| **Relative density** | 0.933 |
| **Solubility(ies)** | negligible |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Determined |
| **Auto-ignition temperature (C)** | Not Determined |
| **Decomposition temperature** | Not Determined |
| **Viscosity (cSt)** | |
| **@ 100 C** | Not Measured |
| **@ 40 C** | Not Measured |
| **Pour point temperature (C)** | Not Determined |
| **Volatile Organic Compounds** | nil |
| **SADT** | Not Determined |

The data listed above are typical physical and chemical properties that do not constitute product specification.

**9.2. Other information**

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

Material is normally stable at ambient temperature and pressure.

**10.3. Possibility of hazardous reactions**

May react with: oxidizing agents.

**10.4. Conditions to avoid**

High temperature, sparks, and open flames.

**10.5. Incompatible materials**

Keep away from strong oxidizing and reducing agents.

**10.6. Hazardous decomposition products**

Hazardous Decomposition Products: May form CO and CO2.

## SECTION 11: Toxicological information

### Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation vapor LD50, mg/L/4hr |
|---|---|---|---|
| Benzoic acid - (0000065-85-0) | Not Available | Not Available | Not Available |
| Mineral oil - (0008042-47-5) | 10,000.99, Rat | Not Available | Not Available |
| Oxoaluminum Stearate/Benzoate - (Proprietary or N/A) | Not Available | Not Available | Not Available |
| Palmitic acid - (0000057-10-3) | Not Available | Not Available | Not Available |
| Polyisobutylene - (0009003-27-4) | Not Available | Not Available | Not Available |
| Titanium dioxide - (0013463-67-7) | 10,000.00, Rat | Not Available | Not Available |

| Classification | Category | Hazard Description |
|---|---|---|
| Acute toxicity (oral) | Not Classified | Not Applicable |
| Acute toxicity (dermal) | Not Classified | Not Applicable |
| Acute toxicity (inhalation) | Not Classified | Not Applicable |
| Skin corrosion/irritation | Not Classified | Not Applicable |
| Serious eye damage/irritation | 2 | Causes serious eye irritation |
| Respiratory sensitization | Not Classified | Not Applicable |
| Skin sensitization | Not Classified | Not Applicable |
| Germ cell mutagenicity | Not Classified | Not Applicable |
| Carcinogenicity | Not Classified | Not Applicable |
| Reproductive toxicity | Not Classified | Not Applicable |
| STOT-single exposure | Not Classified | Not Applicable |
| STOT-repeated exposure | Not Classified | Not Applicable |
| Aspiration hazard | Not Classified | Not Applicable |

## SECTION 12: Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

### Aquatic Ecotoxicity

| | 96 hr LC50 fish, | 48 hr EC50 crustacea, | ErC50 algae, |
|---|---|---|---|

| Ingredient | mg/l | mg/l | mg/l |
|---|---|---|---|
| Mineral oil - (0008042-47-5) | 10.00, Lepomis macrochirus | Not Available | Not Available |
| Oxoaluminum Stearate/Benzoate - (Proprietary or N/A) | Not Available | Not Available | Not Available |
| Titanium dioxide - (0013463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Benzoic acid - (0000065-85-0) | 44.60, Fish (Piscis) | 100.00, Daphnia magna | 9.00 (00 hr), Anabaenia inaequalis |
| Palmitic acid - (0000057-10-3) | Not Available | Not Available | Not Available |
| Polyisobutylene - (0009003-27-4) | Not Available | Not Available | Not Available |

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

Not Measured

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

## SECTION 14: Transport information

**14.1. UN number** Not applicable

**14.2. UN proper shipping name** Not regulated

**14.3. Transport hazard class(es)**

**US DOT Label** Not regulated

**ADR/RID** Not regulated

**IMDG** Not regulated

**Sub Class** Not applicable

**14.4. Packing group** Not applicable

### 14.5. Environmental hazards

**ADR/RID** Environmentally Hazardous: Yes - Not regulated

**IMDG** Marine Pollutant: Yes ( Mineral oil ) - Not regulated

### 14.6. Special precautions for user

No further information

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

## SECTION 15: Regulatory information

**National Legislation**

United States:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**SARA 311/312 (>0.1%):** Not applicable

**SARA 313 (>0.1%):** Not applicable

**CERCLA (>0.1%):**

Benzoic acid

**Inventory - Canada - Non-Domestic Substances List (NDSL):**

Octadecenamide, N-[2-[(2-hydroxyethyl)amino]ethyl]-, monoacetate (salt)

**California Proposition 65 Cancer:** Not applicable

**California Proposition 65 Developmental:** Not applicable

**California Proposition 65 Female Reproductive:** Not applicable

**California Proposition 65 Male Reproductive:** Not applicable

**Inventory - Australia - Inventory of Chemical Substances (AICS):**

1,3-Butadiene, 2-methyl-, homopolymer

1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethanediyl ester

Benzoic acid

Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-

Mineral oil
Octadecanoic acid
Oxoaluminum Stearate/Benzoate
Palmitic acid
Polyisobutylene
Titanium dioxide

**Inventory - Japan Existing and New Chemical Substances (ENCS):**

1,3-Butadiene, 2-methyl-, homopolymer (6-748)
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (5-425; 5-3496)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethanediyl ester (3-3094)
Benzoic acid (3-1397)
Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)- (2-1226; 2-2679; 9-1930)
Mineral oil ()
Octadecanoic acid (2-608; 2-609)
Oxoaluminum Stearate/Benzoate ()
Palmitic acid (2-608)
Polyisobutylene (5-774; 6-774)
Titanium dioxide (1-558; 5-5225)

**Korean Existing Chemicals Inventory:**

1,3-Butadiene, 2-methyl-, homopolymer
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethanediyl ester
Benzoic acid
Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-
Mineral oil
Octadecanoic acid
Oxoaluminum Stearate/Benzoate
Palmitic acid
Polyisobutylene
Titanium dioxide

**Inventory of Existing Chemical Substances in China:**

Mineral oil
Oxoaluminum Stearate/Benzoate
Polyisobutylene

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

1,3-Butadiene, 2-methyl-, homopolymer

1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethanediyl ester
Benzoic acid
Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-
Mineral oil
Octadecanoic acid
Oxoaluminum Stearate/Benzoate
Palmitic acid
Polyisobutylene
Titanium dioxide

**Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act :** Not applicable

**EU REACH: Annex XVII, Dangerous Substances and Preparations:**

Octadecanoic acid
Palmitic acid

**Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS):**

1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (202-414-9)
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (279-632-6)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethanediyl ester (255-392-8)
Benzoic acid (200-618-2)
Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)- (203-749-3)
Mineral oil (232-455-8)
Octadecanoic acid (200-313-4)
Oxoaluminum Stearate/Benzoate ()
Palmitic acid (200-312-9)
Polyisobutylene ()
Titanium dioxide (236-675-5)

**EU List of Notified Chemical Substances (ELINCS):** Not applicable

Risk Phrases
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SECTION 16: Other information

This information has been compiled from sources considered to be dependable and is accurate to the best of Lubricating Specialties Company knowledge. Lubricating Specialties Company makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Lubricating Specialties Company assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed

H318 Causes serious eye damage

**This is the first revision of this SDS format, changes from previous revision not applicable.**

End of document