

# SAFETY DATA SHEET



Revision date 03/20/2023

Revision Number 1

## 1. Identification

### Product identifier

Product Name AI Stearate 404

### Other means of identification

Product Code(s) AI Stearate 404

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended use Polymer additive

### Restrictions on use

### Details of the supplier of the safety data sheet

#### Supplier Address

1665 Enterprise Parkway  
Twinsburg, OH 44087

### Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

Acute toxicity - Dermal

Category 4

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### Warning

#### Hazard statements

Harmful in contact with skin



|                          |                             |                    |
|--------------------------|-----------------------------|--------------------|
| <b>Appearance</b> Powder | <b>Physical state</b> Solid | <b>Odor</b> Slight |
|--------------------------|-----------------------------|--------------------|

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing

**Precautionary Statements - Response**

Specific treatment (see .? on this label)

IF ON SKIN: Wash with plenty of water and soap

Call a doctor if you feel unwell

Take off contaminated clothing and wash it before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Unknown acute toxicity**

20 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

**Other information**

No information available.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

| Chemical name         | CAS No   | Weight-% | Trade secret |
|-----------------------|----------|----------|--------------|
| Aluminium Tristearate | 637-12-7 | 80       |              |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures****Description of first aid measures**

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>                         | Remove to fresh air.  |
| <b>Eye contact</b>                        | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.  |
| <b>Skin contact</b>                       | Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.   |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.   |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). |

**Most important symptoms and effects, both acute and delayed****Symptoms** No information available.**Indication of any immediate medical attention and special treatment needed**

Note to physicians Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media** CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.  
**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** Avoid generation of dust.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

| Chemical name                    | ACGIH TLV   | OSHA PEL | NIOSH |
|----------------------------------|---|----------|-------|
| Aluminum Tristearate<br>637-12-7 | TWA: 1 mg/m <sup>3</sup> respirable<br>particulate matter | -        | -     |

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Wear safety glasses with side shields (or goggles).

**Hand protection**                              Wear suitable gloves.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

**Physical state**                                      Solid  
**Appearance**                                      Powder  
**Color**    white  
**Odor**     Slight  
**Odor threshold**

| <u>Property</u>                                | <u>Values</u>            | <u>Remarks • Method</u> |
|--|--------------------------|-------------------------|
| <b>pH</b>                                      | No data available        | None known              |
| <b>Melting point / freezing point</b>          | 118 Estimated °C / °F    |                         |
| <b>Initial boiling point and boiling range</b> | No data available        |                         |
| <b>Flash point</b>                             | 260.0 Estimated °C / °F  |                         |
| <b>Evaporation rate</b>                        | No data available        |                         |
| <b>Flammability</b>                            | No data available        |                         |
| <b>Flammability Limit in Air</b>               |                          |                         |
| <b>Upper flammability or explosive limits</b>  | No data available        |                         |
| <b>Lower flammability or explosive limits</b>  | No data available        |                         |
| <b>Vapor pressure</b>                          | No data available        |                         |
| <b>Relative vapor density</b>                  | No data available        |                         |
| <b>Relative density</b>                        | 0.20 g/cm <sup>3</sup>   |                         |
| <b>Water solubility</b>                        | Insoluble in water       |                         |
| <b>Solubility(ies)</b>                         | No data available        |                         |
| <b>Partition coefficient</b>                   | No data available        |                         |
| <b>Autoignition temperature</b>                | No data available        |                         |
| <b>Decomposition temperature</b>               |                          |                         |
| <b>Kinematic viscosity</b>                     | No data available        |                         |
| <b>Dynamic viscosity</b>                       | No data available        |                         |
| <b>Other information</b>                       |                          |                         |
| <b>Explosive properties</b>                    | No information available |                         |
| <b>Oxidizing properties</b>                    | No information available |                         |
| <b>VOC content</b>                             | No information available |                         |

**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | None known based on information supplied. |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available.   |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.   |
| <b>Skin contact</b> | May be absorbed through the skin in harmful amounts. Harmful in contact with skin. (based on components). |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available.   |

### Symptoms related to the physical, chemical and toxicological characteristics

|                 |                           |
|-----------------|---------------------------|
| <b>Symptoms</b> | No information available. |
|-----------------|---------------------------|

### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (dermal)** 2,000.00 mg/kg

#### Unknown acute toxicity

20 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

#### Component Information

| Chemical name                     | Oral LD50 | Dermal LD50             | Inhalation LC50 |
|-----------------------------------|-----------|-------------------------|-----------------|
| Aluminium Tristearate<br>637-12-7 | -         | > 2000 mg/kg ( Rabbit ) | -               |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |                           |
|--|---------------------------|
| <b>Skin corrosion/irritation</b>         | No information available. |
| <b>Serious eye damage/eye irritation</b> | No information available. |
| <b>Respiratory or skin sensitization</b> | No information available. |
| <b>Germ cell mutagenicity</b>            | No information available. |
| <b>Carcinogenicity</b>                   | No information available. |

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects**

**Interactive effects**

## 12. Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Persistence and degradability**

**Bioaccumulation** There is no data for this product.

**Other adverse effects** No information available.

## 13. Disposal considerations

### Disposal methods

**Waste from residues/unused products** Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse empty containers.

## 14. Transport information

**DOT** Not regulated

## 15. Regulatory information

**International Inventories**

| Chemical name         | TSCA | DSL/NDL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AIIC | NZIoC  |
|-----------------------|------|---------|---------------|------|-------|------|-------|------|--------|
| Aluminium Tristearate | X    | X       | X             | X    | X     | X    | X     | X    | S<br>X |

**TSCA** Does not comply

| Chemical name         | CAS No   | US TSCA Inventory listing | US TSCA inactive/active designation |
|-----------------------|----------|---------------------------|-------------------------------------|
| Aluminium Tristearate | 637-12-7 | Present                   | Active                              |
| Trade secret          | -        | -                         | Unknown *                           |

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

|                      |                 |
|----------------------|-----------------|
| <b>DSL/NDL</b>       | Does not comply |
| <b>EINECS/ELINCS</b> | Does not comply |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Does not comply |
| <b>KECL</b>          | Does not comply |
| <b>PICCS</b>         | Does not comply |
| <b>AIIC</b>          | Does not comply |
| <b>NZIoC</b>         | Does not comply |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

|                    |                         |                       |                           |                              |
|--------------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 1 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b><u>HMIS</u></b> | <b>Health hazards</b> 1 | <b>Flammability</b> 2 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Revision date** 03/20/2023

**Revision Note****Disclaimer**

Information given herein is offered in good faith as accurate, but without guarantee. The condition of use and suitability of the product for an application is beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind of nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of this product. Appropriate warnings and safe handling procedures should be provided to handlers and users.

**End of Safety Data Sheet**