

Stanley Steemer® Antifoam Powder

Safety Data Sheet

Section 1: Identification

Product Identification

Product Name: Stanly Steemer® Antifoam Powder
SS Product Number: 30037
KOK Product Number: 3528
Product Description: Antifoam Powder
Synonyms and Trade Names:
Additional Information: Mixture of inorganic salts

Manufacturer Identification

Manufacturer Name: K-O-K Products, Inc.
Manufacturer Address: 700 S. 3B's & K Road, Galena, Ohio 43021
Manufacturer Daytime Telephone: 740-548-0526
24 Hour Emergency Contact: 800-255-3924

Distributor Identification

Distributor Name: Stanley Steemer® International, Inc.
Distributor Address: 5800 Innovation Drive - Dublin, Ohio 43016
Distributor Daytime Telephone: 614-764-2007

Section 2: Hazards Identification

Hazard Pictograms *None*

Signal Word *Warning*

Hazard Statements *May be harmful if swallowed*
Causes eye irritation

Section 3: Composition and Ingredient Information

| CAS No. | Name | Percent |
|-----------|---|----------|
| 7647-14-5 | Sodium chloride | 45 -- 55 |
| 7757-82-6 | Sodium sulfate | 45 -- 55 |
| | Proprietary antifoam emulsion** | 5 -- 10 |
| | Proprietary flow conditioner (FDA Approved)** | <1 |
| | Proprietary flow conditioner** | <1 |
| | Proprietary surfactant** | <1 |

** Does not significantly contribute to hazardous properties or classification

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Section 4: First Aid Measures

Description of Symptoms and First Aid Measures

- Inhalation:** *Acute: Exposure to dust may cause irritation of nasal and respiratory passages. If symptoms develop, move individual into fresh air. If necessary, seek medical attention.*
- If inhaled, contact physician if not feeling well.*
- Eye Contact:** *Acute: Mild irritation or burning sensation*
Delayed: Mild irritation or redness.
- Wash face and hands after handling. If in eyes, rinse cautiously with water for several minutes. Remove contact lens if present and easy to do. Continue rinsing*
- Skin Contact:** *Acute: Mild irritation or redness*
- Wash face and hands after handling.*
- Ingestion:** *Acute: If large amounts are ingested, induce vomiting.*
Delayed: Overexposure to sodium sulfate has been reported to cause harm to an animal fetus, but only at levels high enough to harm the mother. The relevance of these findings to humans is uncertain.
- If ingested, contact physician if not feeling well.*

Section 5: Fire Fighting Measures

- Fire:** *Will not burn*
- Extinguishing Media:** *NA*
- Hazardous decomposition products formed under fire conditions** *Carbon monoxide, carbon dioxide, and sulfure oxides*
- Special Fire Fighting Precautions:** *If material is involved in a fire, avoid skin and eye contact, and wear self-contained breathing apparatus operating in pressure demand mode*
- Unusual Fire Hazards:** *NA*

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Section 6: Accidental Release Measures

- Personal Protection:** *Wear appropriate personal protective equipment.*
- Small Spills:** *Avoid release into the environment.*
- Large Spills:** *Protect spills from contact with storm water or fire water.
If contact occurs, dike to prevent run off from entering environment,
collect and treat prior to disposal.*
- Wash area with water and direct run off to waste water treatment system.*
- Special Considerations** *Sodium sulfate has been shown to have detrimental effects on aquatic life.*
- Notification:** *In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.*

Section 7: Handling and Storage

- Safe Handling:** *Avoid contact with skin or eyes
Avoid prolonged or repeated contact with skin and eyes.
Do not ingest. Wash hands before eating.
Store out of reach of children*
- Safe Storage:** *Store away from moisture*

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Section 8: Exposure Controls and Personal Protection

Exposure Limits

| CAS No. | Name | Percent | Exposure Limits |
|-----------|-------------------|----------|------------------|
| 7647-14-5 | Sodium chloride | 45 -- 55 | None established |
| 7757-82-6 | Sodium sulfate | 45 -- 55 | None established |
| | Antifoam emulsion | 5 -- 10 | None established |

Exposure Controls

Engineering Controls

Good general ventilation should be sufficient for dust generated under normal conditions.

Protective Facilities

Safety Shower, Eye Bath, Washing Facilities

Eye and Face Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH

Safety glasses with side shields under normal conditions.

Skin and Hand Protection

Handle with gloves. Nitrile gloves recommended.

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws

Wash and dry hands.

Respiratory Protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH

Consult your industrial hygiene specialist for recommendations and limitations

Hygiene Measures

Observe good industrial hygiene practices. Wash exposed areas after use and before eating, drinking, or use of tobacco.

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Section 9: Physical and Chemical Properties

| | |
|---|----------------------------|
| Appearance | |
| Physical State: | <i>Solid</i> |
| Form: | <i>Free flowing powder</i> |
| Color: | <i>White</i> |
| Odor: | <i>Odorless</i> |
| Odor Threshold: | <i>NA</i> |
| Taste: | <i>Bitter saline taste</i> |
| pH: | <i>6 to 7.5</i> |
| Boiling Point (°F): | <i>NA</i> |
| Melting/Freezing Point (°F) | <i>NA</i> |
| Flash Point (°F): | <i>NA</i> |
| Upper Flammability Limit (%): | <i>NA</i> |
| Lower Flammability Limit (%): | <i>NA</i> |
| Autoignition (°F): | <i>NA</i> |
| Decomposition Temperature (°F) | <i>NA</i> |
| Vapor Pressure (mmHg)(°C): | <i>NA</i> |
| Vapor Density (air=1) | <i>NA</i> |
| Specific Gravity (water=1) (25°C) | <i>2.42</i> |
| Evaporation Rate (BuAc = 1): | <i>NA</i> |
| Molecular Weight | <i>Mixture</i> |
| Viscosity (cp): | <i>NA</i> |
| Partition coefficient n-octanol/water) | <i>NDA</i> |
| Solubility, Water (g/l)(°C): | <i>Soluble</i> |
| Solubility, (other) (g/l)(°C): | <i>NDA</i> |

NDA = No Data Available

NA = Not Applicable

Section 10: Stability and Reactivity

| | |
|--|--|
| Chemical Stability: | <i>Stable</i> |
| Possible Hazardous Reactions: | |
| Corrosivity | <i>None</i> |
| Polymerization | <i>None</i> |
| Conditions to Avoid: | <i>None</i> |
| Incompatible Materials: | <i>Strong acids, Strong oxidizing agents, Lithium, Aluminum, Magnesium</i> |
| Hazardous Decomposition Products: | <i>Carbon oxides Sulfur oxides</i> |

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Section 11: Toxicological Information

Likely Routes of Exposure

| | |
|---------------------------------|---|
| Inhalation: | <i>Inhalation is not an expected hazard unless dusting is severe</i> |
| Ingestion: | <i>Ingestion is not an expected hazard under normal usage conditions.</i> |
| Skin Contact/Absorption: | <i>May cause mild skin irritation.</i> |
| Eye Contact/Absorption: | <i>May cause eye irritation</i> |
| Pre-existing Conditions | <i>None</i> |

Acute Toxicity

| Test | Result | Basis |
|-------------------------------------|--------------------------|-------------------|
| Oral Toxicity (Rat) | 4,457 mg/kg | Estimated mixture |
| Dermal Toxicity (Rabbit) | 20,000 mg/kg | Estimated mixture |
| Inhalation Toxicity, Dust (Rat, 1h) | 42,000 mg/m ³ | Based 7647-14-5 |

Summary

| | |
|-----------------------------|-------------|
| Oral Toxicity* | Non-toxic |
| Dermal Toxicity* | Non-toxic |
| Inhalation Toxicity, Vapor* | Non-toxic |
| Dermal Irritation* | Category 3 |
| Eye Irritation* | Category 2B |

*Based on specific component adjusted for product concentration

Chronic Toxicity

NTP Listed

| | |
|----------------------------|--------------------|
| Product: | <i>Not listed</i> |
| Specific Substance: | <i>None listed</i> |

IARC Listed

| | |
|----------------------------|--------------------|
| Product: | <i>Not listed</i> |
| Specific Substance: | <i>None listed</i> |

Proposition 65

| | |
|----------------------------|--------------------|
| Product: | <i>Not listed</i> |
| Specific Substance: | <i>None listed</i> |

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| CAS | Name | RTECS # |
|------------|-----------------|----------------|
| 7647-14-5 | Sodium chloride | VZ4725000 |
| 7757-82-6 | Sodium sulfate | WE1650000 |

Section 12: Ecological Information

Impact: *This product has low environmental impact in small quantities. Larger releases may result in foaming and toxic effects on aquatic organisms.*

Acute Toxicity, Fish

| | |
|-----------------------------|---|
| Product: | NDA |
| Specific Substance | |
| Sodium sulfate (7757-82-6) | LC50 - <i>Gambusia affinis</i> (Mosquito fish) - 120 mg/l - 96h |
| Sodium sulfate (7757-82-6) | LC50 - <i>Lepomis macrochirus</i> - 4,380 mg/l - 96 h |
| Sodium chloride (7647-14-5) | LC50 - <i>Lepomis macrochirus</i> (Bluegill) - 5,840 mg/l -96h |

Acute Toxicity, Aquatic Invertebrates

| | |
|-----------------------------|--|
| Product: | NDA |
| Specific Substance: | |
| Sodium chloride (7647-14-5) | LC50 - <i>Daphnia magna</i> (Water flea) - 1,661 mg/l - 48 h |

Acute Toxicity, Microorganism

| | |
|-----------------------------|--|
| Product: | NDA |
| Specific Substance: | |
| Sodium sulfate (7757-82-6) | EC50 - <i>Daphnia</i> - 3,150.21 mg/l - 48 h |
| Sodium chloride (7647-14-5) | NOEC - <i>Daphnia</i> - 1,500 mg/l - 7 d |

Toxicity, Aquatic Plants

| | |
|----------------------------|-----|
| Product: | NDA |
| Specific Substance: | |

Biodegradation

| | |
|----------------------------|-----|
| Product: | NDA |
| Specific Substance: | |

Bioaccumulation Potential

| | |
|----------------------------|-----|
| Product: | NDA |
| Specific Substance: | |

NDA = No Data Available

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Section 13: Disposal Information

| | |
|----------------------------|---|
| General Information | <i>Dispose of in accordance with local regulatory requirements.</i> |
| Disposal Methods | <i>Discharge, treatment, or disposal may be subject to national, state, or local laws.</i> |
| | <i>Small amounts of material may be absorbed and disposed of in approved landfills. Larger quantities should be disposed of in accordance with local regulations.</i> |

Section 14: Transportation Information

| | |
|----------------------------|--------------------------------|
| DOT | <i>Non-regulated</i> |
| Shipping Name | <i>Compound cleaning solid</i> |
| Label | <i>Non-regulated</i> |
| Reportable Quantity | <i>NA</i> |

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

Section 15: Regulatory Information

Chemical Inventory Status

| Ingredient (CAS) | TSCA8(b) | EC | Japan | Australia | Canada | |
|-----------------------------|----------|----|-------|-----------|--------|------|
| | | | | | DSL | NDSL |
| Sodium chloride (7647-14-5) | X | X | X | X | X | |
| Sodium sulfate (7757-82-6) | X | X | X | X | X | |

Federal Regulations

| Ingredient (CAS) | RCRA (261.33) | EPCRA/CERCLA | | | CAA | TSCA 8(d) |
|------------------|------------------|--------------|-----------|---------------|--------------|--------------|
| | | 302 TPQ | 304 RQ | 313 Listed | 112(r) TQ | |
| | | | | | | |

State RTK Label Information

| Ingredient (CAS) | New Jersey | Pennsylvania | Massachusetts |
|-----------------------------|------------|--------------|---------------|
| Sodium chloride (7647-14-5) | X | X | |
| Sodium sulfate (7757-82-6) | X | X | X |

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Other Regulations/Information

| | |
|-------------------------------------|---|
| OSHA: | <i>Irritant</i> |
| Proposition 65 (California): | <i>None found</i> |
| VOC: | <i>NA</i> |
| Chemical Weapons Convention: | <i>No</i> |
| WHMIS | <i>This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.</i> |
| Hazard Classification: | <i>Class D2B – Skin and Eye Irritation</i> |
| HMIS | <i>HMIS ratings involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.</i> |
| Health: | <i>1</i> |
| Fire: | <i>0</i> |
| Reactivity: | <i>0</i> |
| PPE: | <i>B</i> |
| NFPA | <i>NFPA 704</i> |
| Health: | <i>1</i> |
| Fire: | <i>0</i> |
| Reactivity: | <i>0</i> |
| Special Hazards: | |

NDA = No Data Available
NA = Not Applicable

Section 16: Other Information

Disclaimer: *The information presented in this Safety Data Sheet was prepared by technical personnel, based on data that they believe, in their good faith judgment, is accurate. This information should be used to make an independent determination of the appropriate and necessary methods to safeguard workers and the environment, considering the specific conditions and methods of use that will be employed. This information is provided without warranty.*