



# SAFETY DATA SHEET

Version 2

## 1. Identification of the Substance / Preparation and of the Company / Undertaking

**Product Name:** Additive 9-18-9-1S  
**Formula:** Not applicable to mixtures  
**Molecular Weight:** Not applicable to mixtures

**Company Name:**  
Hawkins, Inc., 2381 Rosegate, Roseville, MN 55113 (612-331-6910)

**Emergency Telephone:**  
CHEMTREC (US): 1-800-424-9300

## 2. Hazards Identification

### GHS - Classification

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 2 |



**Signal Word:** Warning

**Hazard Statements:**  
• Causes skin irritation  
• Causes serious eye irritation

### Physical Hazards

• None

### Precautionary Statements:

- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention

## 3. Composition / Information on Ingredients

### Hazardous

| Chemical Name | CAS No | Weight-%    | EC No  |
|---------------|--------|-------------|--------|
| Trade Secret  | -      | Proprietary | Listed |
| Trade Secret  | -      | Proprietary | Listed |
| Trade Secret  | -      | Proprietary | Listed |

### Non-Hazardous

| Chemical Name | CAS No | Weight-%    | EC No  |
|---------------|--------|-------------|--------|
| Trade Secret  | -      | Proprietary | Listed |
| Trade Secret  | -      | Proprietary | Listed |
| Trade Secret  | -      | Proprietary | Listed |

#### 4. First Aid Measures

|  |   |
|--|---|
| <b>General Advice:</b>                     | Immediate medical attention is required.  |
| <b>Eye Contact:</b>                        | Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.   |
| <b>Skin Contact:</b>                       | Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  |
| <b>Inhalation:</b>                         | Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  |
| <b>Ingestion:</b>                          | Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control center immediately.  |
| <b>Note to Physicians:</b>                 | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically. |
| <b>Self-protection of the First Aider:</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.   |

#### 5. Fire-fighting Measures

**Flammable Properties:**

Not considered to be a fire hazard

**Explosive Properties:**

None known

**Suitable Extinguishing Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable Extinguishing Media:**

No information available

**Specific Hazards Arising from the Chemical:**

The product causes burns of eyes, skin and mucous membranes, Thermal decomposition can lead to release of irritating and toxic gases and vapors, In the event of fire and/or explosion do not breathe fumes

**Protective Equipment and Precautions for Firefighters:**

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

#### 6. Accidental Release Measures

|                              |   |
|------------------------------|---|
| <b>Personal Precautions:</b> | Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. |
|------------------------------|---|

|                                   |  |
|-----------------------------------|--|
| <b>Environmental Precautions:</b> | Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.   |
| <b>Methods for Cleaning Up:</b>   | Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water. |
| <b>Other Information:</b>         | Not applicable.  |

## 7. Handling and Storage

|                                 |   |
|---------------------------------|---|
| <b>Advice on Safe Handling:</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems. |
| <b>Storage Conditions:</b>      | Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.  |
| <b>Incompatible Materials:</b>  | Strong acids and bases; Oxidizing agents; Calcium or Sodium Hypochlorite, Sodium Nitrite  |

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines

|                              |  |
|------------------------------|--|
| <b>Exposure Guidelines</b>   | Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) |
| <b>Engineering Controls:</b> | Ensure adequate ventilation, especially in confined areas  |

### Personal protective equipment (PPE)

|                             |   |
|-----------------------------|---|
| <b>Eye/Face Protection:</b> | Tight sealing safety goggles. Face protection shield.   |
| <b>Body Protection:</b>     | Gloves made of plastic or rubber. Rubber boots. Suitable protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate. |

### General Hygiene Considerations:

Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

|                        |              |                        |                          |
|------------------------|--------------|------------------------|--------------------------|
| <b>Physical State:</b> | Liquid       | <b>Odor:</b>           | Odorless                 |
| <b>Appearance:</b>     | Clear liquid | <b>Odor Threshold:</b> | No information available |
| <b>Color:</b>          | Colorless    |                        |                          |

| <u>Property</u>                      | <u>Values</u> | <u>Remarks • Method</u>  |
|--------------------------------------|---------------|--------------------------|
| <b>pH:</b>                           |               | No information available |
| <b>"Salt Out" Point (°F):</b>        | approx. -20°F | No information available |
| <b>Melting Point/Freezing Point:</b> |               |                          |
| <b>Boiling Point/Boiling Range:</b>  |               |                          |
| <b>Flash Point:</b>                  |               |                          |
| <b>Evaporation Rate (BuAc=1):</b>    |               | No information available |
| <b>Flammability (solid, gas):</b>    |               | No information available |

|  |                          |                          |
|--|--------------------------|--------------------------|
| <b>Flammability Limits in Air:</b>                 |                          | No information available |
| <b>Upper Flammability Limit:</b>                   |                          |                          |
| <b>Lower Flammability Limit:</b>                   |                          |                          |
| <b>Vapor Pressure (mm Hg) :</b>                    |                          | No information available |
| <b>Vapor density (Air =1)</b>                      |                          | No information available |
| <b>Specific Gravity (H<sub>2</sub>O=1):</b>        | 1.33                     |                          |
| <b>Specific Gravity (2nd value):</b>               |                          |                          |
| <b>Water Solubility:</b>                           |                          | No information available |
| <b>Solubility(ies):</b>                            | Complete (100%)          |                          |
| <b>Partition Coefficient<br/>(n-octanol/water)</b> |                          | No information available |
| <b>Autoignition Temperature:</b>                   |                          |                          |
| <b>Decomposition Temperature:</b>                  |                          | No information available |
| <b>Kinematic Viscosity:</b>                        |                          | No information available |
| <b>Dynamic Viscosity:</b>                          |                          | No information available |
| <b>Oxidizing Properties:</b>                       | No information available |                          |
| <b>Explosive Properties:</b>                       | None known               |                          |

**9.2. Other information**

|                          |                            |
|--------------------------|----------------------------|
| <b>Softening Point:</b>  | No information available   |
| <b>Molecular Weight:</b> | Not applicable to mixtures |
| <b>VOC Content(%):</b>   | No information available   |
| <b>Density:</b>          | No information available   |
| <b>Bulk Density:</b>     | No information available   |

**10. Stability and Reactivity**

|  |  |
|--|--|
| <b>Stability:</b>                          | Stable under normal conditions of use and storage  |
| <b>Conditions to Avoid:</b>                | Exposure to air or moisture over prolonged periods; Incompatibles  |
| <b>Incompatible Materials:</b>             | Strong acids and bases, Oxidizing agents, Calcium or Sodium Hypochlorite, Sodium Nitrite                       |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition can lead to release of irritating and toxic gases and vapors; Ammonia; Phosphorus oxides |
| <b>Possibility of Hazardous Reactions:</b> | None under normal processing   |

**11. Toxicological Information****Product Information**

**Acute Toxicity:** 61.12% of the mixture consists of ingredient(s) of unknown toxicity.

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

| Chemical Name | Oral LD <sub>50</sub> : | Dermal LD <sub>50</sub> : | LC <sub>50</sub> (Lethal Concentration): |
|---------------|-------------------------|---------------------------|--|
| Trade Secret  | 90 mL/kg ( Rat )        |                           |  |
| Trade Secret  |                         | 4640 mg/kg ( Rabbit )     |  |
| Trade Secret  | 6500 mg/kg ( Rat )      | 7950 mg/kg ( Rabbit )     |  |
| Trade Secret  | 5750 mg/kg ( Rat )      | 7940 mg/kg ( Rabbit )     |  |

**Chronic Toxicity:**

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

**Target Organ Effects:** Eyes, Respiratory system, Skin

## 12. Ecological Information

### Ecotoxicity

25.12% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Toxicity to algae | Toxicity to fish  | Toxicity to daphnia and other aquatic invertebrates |
|---------------|-------------------|---|---|
| Trade Secret  |                   | 26.5: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 24.8 - 29.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 3.3: 96 h <i>Pimephales promelas</i> mg/L LC50 33: 96 h <i>Pimephales promelas</i> mg/L LC50 static |   |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility:** No information available.

## 13. Disposal Considerations

**Waste from Residues/Unused Products:** Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated Packaging:** Do not reuse container.

## 14. Transport Information

### DOT

Description Not DOT Regulated

## 15. Regulatory Information

### International Inventories

All of the components in the product are on the following inventory lists: TSCA (United States);, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL);, China (IECSC), Philippines (PICCS), This product contains a substance not listed on international inventories - it is for research and development use only.

|               |          |
|---------------|----------|
| AICS          | -        |
| TSCA          | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | -        |
| IECSC         | Complies |
| KECL          | -        |
| PICCS         | -        |

| Chemical Name | AICS   | TSCA   | DSL    | NDSL | EINECS | ELINCS | ENCS    | IECSC  | KECL     | PICCS   |
|---------------|--------|--------|--------|------|--------|--------|---------|--------|----------|---------|
| Trade Secret  | Listed | Listed | Listed | -    | Listed | -      | (1)-452 | Listed | KE-12167 | Present |

**36289 Additive 9-18-9-1S**

|              |        |         |        |         |           |   |          |         |          |         |
|--------------|--------|---------|--------|---------|-----------|---|----------|---------|----------|---------|
| Trade Secret | Listed | Listed  | Listed | -       | Listed    | - | -        | Listed  | KE-35400 | Present |
| Trade Secret | Listed | Listed  | Listed | -       | Listed    | - | (1)-452  | Listed  | KE-28622 | Present |
| Trade Secret | Listed | Listed  | Listed | -       | Listed    | - | (1)-379  | Listed  | KE-09799 | Present |
| Trade Secret | Listed | Listed  | Listed | -       | Listed    | - | (1)-379  | Listed  | KE-01656 | Present |
| Trade Secret | -      | Present | -      | Present | 225-464-3 | - | (2)-1732 | Present | -        | -       |

**Inventory Legend**

- AICS - Australian Inventory of Chemical Substances
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - 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

**RESTRICTIONS - REACH TITLE VII** No information available

**US Federal Regulations**

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|---------------|-------------------------------|
| Trade Secret  | 1.0                           |
| Trade Secret  | 1.0                           |

**SARA 311/312 Hazard Categories**

- Acute health hazard Yes
- Chronic health hazard No
- Fire hazard No
- Sudden release of pressure hazard No
- Reactive hazard No

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

**California Proposition 65:**  
This product does not contain any Proposition 65 chemicals

**16. Other Information**

**National Fire Protection Association (NFPA) Ratings**



**Prepared By:** HSE Department  
**Issue Date:** 18-May-2012  
**Revision Date:** 02-Mar-2015  
**Revision Note:** Updated section(s) 1,2,3

**Disclaimer:**

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

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**End of Safety Data Sheet**