



# ACMEPON AOS 40

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: 10/26/17 Date of Issue: 7/1/2015

Version: 1.0



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## 1. IDENTIFICATION

### Product identifier

**Product Name** Acmepon AOS 40

### Other means of identification

**Chemical Name** Sodium C14-C16 olefin sulfonate  
**CAS #** 68439-57-6

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

**Recommended Use** Surfactant

**Restrictions on use** No information available

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

**Supplier Identification** Acme-Hardesty Co

**Address** 450 Sentry Parkway  
Blue Bell, PA 19422  
US

**Telephone** Phone: 866-226-3834  
Phone: 215-591-3610

**Website** [www.acme-hardesty.com](http://www.acme-hardesty.com)

### Emergency telephone number

**Company Emergency Phone Number** 800-424-9300  
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

## 2. HAZARDS IDENTIFICATION

### Classification

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

### GHS Label elements, including precautionary statements

#### Warning

**Hazard statements**  
Causes skin irritation

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Causes serious eye irritation



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/eye protection/face protection

### Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

#### Eyes

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

#### Skin

IF ON SKIN: Wash with plenty of water and soap

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

### Other information

Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**Unknown acute toxicity** 38 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

38 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance

Not applicable.

### Mixture

| Chemical name                  | CAS-No     | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--------------------------------|------------|---------|--|---|
| Sodium C14-16 olefin sulfonate | 68439-57-6 | 38      | -  | -   |
| Water                          | 7732-18-5  | 62      | -  | -   |

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### 4. FIRST AID MEASURES

#### 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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.   |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

|                 |                    |
|-----------------|--------------------|
| <b>Symptoms</b> | Burning sensation. |
|-----------------|--------------------|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. on large fires use universal foam or water spray. On small fires use dry chemical, CO <sub>2</sub> . Water can be used to cool fire exposed containers |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient. Water jet is not recommended.   |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Hazardous Combustion Products</b>                  | Carbon oxides. Sulfur oxides.  |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>               | None.  |
| <b>Sensitivity to Static Discharge</b>                | None.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.   |

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### 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** Dam up. Soak up with inert absorbent material. 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. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place, away from incompatible materials (see section 10, stability and reactivity).  
SHIP AND STORE BETWEEN 0-30° C . if the storage temperature is less than or equal to 0° C, the product will be frozen, but after thawing at room temperature (10-25° C) and mix until uniform, it can be used. If the storage temperature is equal to or more than 30° C, a small amount of actives will be crystallized and separate out, store at room temperature (10-25° C) and mix until uniform, the crystallized activities can be dissolved, then It can be used as normal. Expected shelf life if stored at recommended temperatures: 24 months

**Recommended Use** Surfactant

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Appropriate engineering controls

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

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

|                                       |   |
|---------------------------------------|---|
| <b>Eye/face protection</b>            | If splashes are likely to occur, wear safety glasses with side-shields.   |
| <b>Hand protection</b>                | Wear suitable gloves. Impervious gloves.  |
| <b>Skin and body protection</b>       | Wear suitable protective clothing. Long sleeved clothing.   |
| <b>Respiratory protection</b>         | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.  |
| <b>General hygiene considerations</b> | Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |                                     |
|-----------------------|-------------------------------------|
| <b>Physical state</b> | Liquid                              |
| <b>Appearance</b>     | Yellow; Straw color liquid at 20° C |
| <b>Odor</b>           | Characteristic                      |
| <b>Color</b>          | Yellow                              |
| <b>Odor Threshold</b> | No information available            |

| <u>Property</u>                               | <u>Values</u>      | <u>Remarks</u> | <u>Method</u>       |
|---|--------------------|----------------|---------------------|
| <b>pH</b>                                     | 7-12               | 25° C,         | 5% aqueous solution |
| <b>Melting / freezing point</b>               | < 0° C             | None known     |                     |
| <b>Boiling point / boiling range</b>          | > 100° C / 212° F  | @ 760 mm Hg    |                     |
| <b>Flash Point</b>                            | > 93.9° C / 201° F | None known     |                     |
| <b>Evaporation Rate</b>                       | No data available  | None known     |                     |
| <b>Flammability (solid, gas)</b>              | No data available  | None known     |                     |
| <b>Flammability Limit in Air</b>              |                    | None known     |                     |
| <b>Upper flammability limit</b>               | No data available  |                |                     |
| <b>Lower flammability limit</b>               | No data available  |                |                     |
| <b>Vapor pressure</b>                         | No data available  | None known     |                     |
| <b>Vapor density</b>                          | No data available  | None known     |                     |
| <b>Relative density</b>                       | 1.06               |                |                     |
| <b>Water Solubility</b>                       | Soluble in water   |                |                     |
| <b>Solubility(ies)</b>                        | No data available  | None known     |                     |
| <b>Partition coefficient: n-octanol/water</b> | No data            |                |                     |
| <b>Autoignition temperature</b>               | No data available  | None known     |                     |
| <b>Decomposition temperature</b>              | No data available  | None known     |                     |
| <b>Kinematic viscosity</b>                    | No data available  | None known     |                     |
| <b>Dynamic viscosity</b>                      | No data available  | None known     |                     |

### Other Information

|                             |                          |
|-----------------------------|--------------------------|
| <b>Explosive properties</b> | No information available |
| <b>Oxidizing properties</b> | No information available |
| <b>Softening Point</b>      | No information available |
| <b>Molecular Weight</b>     | No information available |
| <b>VOC Content (%)</b>      | No information available |
| <b>Liquid Density</b>       | No information available |
| <b>Bulk Density</b>         | No information available |

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|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Particle Size</b>              | No information available |
| <b>Particle Size Distribution</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>Hazardous Polymerization</b>           | Hazardous polymerization does not occur.             |
| <b>Conditions to avoid</b>                | None known based on information supplied.            |
| <b>Incompatible materials</b>             | Strong acids. Strong bases. Strong oxidizing agents. |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides. Sulfur oxides.                        |

### 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. May cause irritation of respiratory tract.                                      |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). Irritating to eyes.       |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).                                  |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

#### Information on toxicological effects

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Redness. May cause redness and tearing of the eyes. |
|-----------------|---|

#### Numerical measures of toxicity

##### Acute Toxicity

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

|                      |                |
|----------------------|----------------|
| <b>ATEmix (oral)</b> | 5,842.00 mg/kg |
|----------------------|----------------|

|                               |  |
|-------------------------------|--|
| <b>Unknown acute toxicity</b> | 38 % of the mixture consists of ingredient(s) of unknown toxicity              |
|                               | 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity    |
|                               | 38 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity |

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38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### Component Information

| Chemical name                  | Oral LD50            | Dermal LD50            | Inhalation LC50 |
|--------------------------------|----------------------|------------------------|-----------------|
| Sodium C14-16 olefin sulfonate | = 2220 mg/kg ( Rat ) | > 740 mg/kg ( Rabbit ) | -               |

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

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Irritating to skin. |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Irritating to eyes. |
| <b>Respiratory or skin sensitization</b> | No information available.   |
| <b>Germ cell mutagenicity</b>            | No information available.   |
| <b>Carcinogenicity</b>                   | No information available.   |
| <b>Reproductive toxicity</b>             | No information available.   |
| <b>STOT - single exposure</b>            | No information available.   |
| <b>STOT - repeated exposure</b>          | No information available.   |
| <b>Aspiration hazard</b>                 | No information available.   |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

| Chemical name                  | Toxicity to Algae | Toxicity to Fish   | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--------------------------------|-------------------|--|----------------------------|----------------------------|
| Sodium C14-16 olefin sulfonate | -                 | 96h LC50: 1.0 - 10.0 mg/L (Brachydanio rerio)<br>96h LC50: = 12.2 mg/L (Brachydanio rerio) | -                          | -                          |

|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>Persistence and Degradability</b> | No information available.          |
| <b>Bioaccumulation</b>               | There is no data for this product. |
| <b>Mobility</b>                      | No information available.          |
| <b>Other adverse effects</b>         | No information available.          |

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

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|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |

### 14. TRANSPORT INFORMATION

|   |                                       |
|---|---------------------------------------|
| <b>DOT</b><br>Proper Shipping Name<br>Hazard Class  | NOT REGULATED<br>NON-REGULATED<br>N/A |
| <b>TDG</b>  | Not regulated                         |
| <b>MEX</b>  | Not regulated                         |
| <b>ICAO</b>   | Not regulated                         |
| <b>IATA</b><br>Proper Shipping Name<br>Hazard Class | Not regulated<br>NON REGULATED<br>N/A |
| <b>IMDG/IMO</b><br>Hazard Class                     | Not regulated<br>N/A                  |
| <b>RID</b>  | Not regulated                         |
| <b>ADR</b>  | Not regulated                         |
| <b>ADN</b>  | Not regulated                         |

### 15. REGULATORY INFORMATION

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

#### International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

#### International Inventories

|               |         |
|---------------|---------|
| TSCA          | Listed. |
| DSL/NDSL      | Listed. |
| EINECS/ELINCS | Listed. |
| ENCS          | Listed. |
| KECL          | Listed. |



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|              |         |
|--------------|---------|
| <b>PICCS</b> | Listed. |
| <b>AICS</b>  | Listed  |

### Legend

**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  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### 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

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### 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 above threshold limits that are regulated by state right-to-know.

## 16. OTHER INFORMATION

|                    |                         |                       |                           |   |
|--------------------|-------------------------|-----------------------|---------------------------|---|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Physical and Chemical Properties</b> - |
| <b><u>HMIS</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal Protection</b> X              |

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**Prepared By** Product Stewardship  
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1-800-572-6501

**Revision Date** 26-Oct-2017

**Revision Note** No information available

### Disclaimer

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage, use and disposal of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product or container.

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**End of Safety Data Sheet**