



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

1.) Identification of the Mixture and of the Company

Product identifier: **Aervoe Hand-y Cleaning & Hand-y Pro Towels - Bulk**

Product name:

5021 Hand-y Cleaning Towels

5025 Hand-y Pro Towels

Relevant identified uses of the substance: Cleaning uses include tools, equipment, plastics, metals, hands, painted surfaces, vinyls, work surfaces, ect

Uses advised against: Always test product on acrylics, vinyl and sensitive surfaces, in a small hidden area before use.

| | |
|-----------------------------|---|
| CAS No: | Not Applicable (mixture) |
| EC No: | Not Applicable (mixture) |
| Index No: | Not Applicable (mixture) |
| Manufacturer/Supplier: | Aervoe Industries Incorporated |
| Street address/P.O. Box: | 1100 Mark Circle |
| Country ID/Postcode/Place: | Gardnerville, Nevada 89410 |
| Telephone number: | 1-775-782-0100 |
| e-mail: | mailbox@aervoe.com |
| National contact: | Aervoe Industries Incorporated |
| For Product Information: | 1-800-227-0196 |
| Emergency telephone number: | 1-800-424-9300 (CHEMTREC – 24 hrs) |

2. Hazards identification

Classifications

| | |
|------------------------|-------------------------------------|
| Physical Hazards: | N/AV |
| Health Hazards: | Eye Irrit 2 Skin Sensitization 1 |
| Environmental Hazards: | N/AV |

Labeling

| | |
|---------------------------|---|
| Signal Word: | Warning |
| Hazard Statements: | H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation. |
| Precautionary Statements: | P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use P262 - Do not get in eyes, on skin, or on clothing |



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation



Symbols/Pictograms:

3. Composition / Information on Ingredients

Composition

| Chemical Name | CAS No | Weight % |
|-------------------------------|-------------|----------|
| Proprietary Fragrance | Proprietary | <2 |
| Proprietary Emulsifying Agent | Proprietary | <2 |

Other Product Information

Chemical Identity: Mixture

4.) First Aid Measures

General Advice:

If symptoms persist, always call a doctor.

Inhalation First Aid:

Remove victim to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.

Skin Contact First Aid:

If skin irritation occurs, rinse affected area with water.

Eye Contact First Aid:

If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention immediately.

Ingestion First Aid:

If swallowed, wash out mouth with water provided the person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most Important

Symptoms/Effects:

Exposure may cause slight irritation to the skin, eyes, and respiratory tract. Excessive exposure may cause central nervous system effects.



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

5. Fire Fighting Measures

| | |
|--|---|
| Flammable Properties: | Non-flammable |
| Auto Ignition Temperature: | Not Available |
| Suitable extinguishing media: | Carbon dioxide, dry chemical, water spray. |
| Unsuitable extinguishing media: | None known |
| Special hazards arising from the substance or mixture: | None known |
| Hazardous combustion products: | Carbon dioxide, Carbon monoxide |
| Fire & Explosion Hazards: | Product will not burn. |
| Precautions for fire-fighters: | Use water spray to cool containers exposed to heat or fire to prevent pressure build up. In the event of a fire, wear full protective clothing and NIOSH- approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. |

6. Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES:

- 1) Follow personal protective equipment recommendations found in section 8.
- 2) Maintain adequate ventilation.

SPILL CLEAN-UP PROCEDURES:

- 1.) Evacuate unprotected personnel from the area.
- 2.) Remove sources of ignition if safe to do so.
- 3.) Pickup spilled materials using non-sparking tools and place in an appropriate container for disposal.
- 4.) Contain spill to prevent material from entering sewage or ground water systems.
- 5.) Always dispose of waste materials in accordance with all EU, National and Local Regulations.

7. Handling and Storage

Handling:

Non-flammable, use in a well ventilated area.
Do not use near sources of ignition.
Do not to eat, drink and smoke while working with this material.
Wash hands after use.

Conditions for safe storage, including any incompatibilities:

Store out of direct sunlight.
Storage Temperature: 32° to 120°F (0° to 49°C).
No known incompatibilities.

8. Exposure Controls / Personal Protection

Appropriate engineering controls:

Ensure adequate ventilation.



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

Take precautionary measures against static discharge.

Personal Protection:

Use person protective equipment as required.

Skin protection

No protective equipment is needed under normal use conditions.

Respiratory protection:

Use only in an adequately ventilated area.

| Hazardous Ingredient | CAS Number | ACGIH TLV (TWA) | ACGIH TLV (STEL) | OSHA PEL (TWA) | OSHA PEL (STEL) |
|--|------------|-----------------|------------------|----------------|-----------------|
| ***NO REPORTABLE QUANTITIES OF INGREDIENTS ARE PRESENT.*** | | | | | |

*Values are based on the 2014 Guide to Occupational Exposure Values by ACGIH

9. Information on Basic Physical and Chemical Properties

| | |
|--|-------------------------------------|
| Appearance: White paper towel saturated with a cleaning solution | Odor: Citrus |
| Odor Threshold: N/AV | pH: 6.4 |
| Melting Point: N/AV | Freezing Point: N/AV |
| Initial Boiling Point: N/AV | Boiling Point Range: N/AV |
| Flash Point: No flash point | Evaporation Rate: Slower than Ether |
| Flammability Solid/Gas: Non-flammable | Upper LEL: N/AV Lower LEL: N/AV |
| Vapor Pressure: N/AV | Vapor Density: Heavier Than Air |
| Relative Density: 1.003 | Solubility: Negligible |
| Partition Coefficient: n-octanol/ water: N/AV | Auto-ignition Temperature: N/AV |
| Decomposition Temperature: N/AV | Viscosity: N/AV |
| Explosive Properties: N/AV | Oxidizing Properties: N/AV |

10. Stability & Reactivity

Possibility of hazardous reactions: Hazardous polymerization will not occur under normal conditions

Chemical stability: Stable under normal conditions

Conditions to avoid: Heat and ignition sources

Incompatible materials: Strong Oxidizing Agents

Hazardous decomposition products: Will not occur



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

11. Toxicological Information

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart and blood

Routes of exposure: Eyes, skin, ingestion, and/or inhalation

Acute toxicological data: Fragrance: LD50 = 4400 mg/kg (Rat, Oral)
= >5 g/kg (Rabbit, dermal)
Emulsifying agent = 1900 mg/kg (Rat, Oral)
= 10000 mg/kg (Rabbit)

Eye irritation data: Eye Irrit 2

Skin irritation/sensitization/absorption data: Skin Sensitizer

Reproductive toxicity data: N/AV

Mutagenicity data: N/AV

Symptoms associated with physical contact: N/AV

Acute/chronic effects from short/long term exposure: Irritating to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Not expected to be a skin sensitizer.

Known reportable carcinogens via the following agencies:

NTP: N/AV
IARC: Group 3
OSHA: X

12. Ecological Information

Eco toxicity: **Harmful to aquatic life with long lasting effects**

| Chemical Name | Fish | Crustacea |
|-------------------|--|----------------------------------|
| Fragrance | 0.619 – 0.796: 96h Pimephales promelas mg/: LC50 flow through 35: 96 h Oncorhynchus mykiss mg/L LC50 | |
| Emulsifying agent | 20 – 40: 96 h Oncorhynchus mykiss mg/L LC50 semis-static 24: 96 h Oncorhynchus mykiss mg/L LC50 static 37: 96 h Lepomis macrochirus mg/L LC50 static | 36: 48 h Daphnia Magna MG/L EC50 |

Persistence and degradability: **No Data Available**
Bioaccumulative potential: **No Data Available**



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

Mobility in soil: **No Data Available**

Results of PBT and vPvB assessment: **No Data Available**

Other adverse effects: **No Data Available**

13. Disposal Considerations

Waste Disposal: Dispose of material in accordance with EU, national and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

Product / Packaging disposal: Dispose of packaging in accordance with federal, state and local requirements, regulations and/or laws governing your location.

14. Transportation Information

US DOT

| UN Number | Proper Shipping Name | Hazard Class | Packing Group | Marine Pollutant | Special Provisions |
|----------------|------------------------|----------------|----------------|------------------|--------------------------|
| Not Applicable | Non Regulated Material | Not Applicable | Not Applicable | Not Applicable | Reference 49 CFR 172.101 |

IMDG

| UN Number | Proper Shipping Name | Hazard Class | Packing Group | Marine Pollutant | Special Provisions |
|----------------|------------------------|----------------|----------------|------------------|----------------------------|
| Not Applicable | Non Regulated Material | Not Applicable | Not Applicable | Not Applicable | Reference IMDG code part 3 |

IATA:

| UN Number | Proper Shipping Name | Hazard Class | Packing Group | Marine Pollutant | Special Provisions |
|----------------|------------------------|----------------|----------------|------------------|---|
| Not Applicable | Non Regulated Material | Not Applicable | Not Applicable | Not Applicable | Reference IATA Dangerous Goods Regulation |

15. Regulatory Information

Workplace classification:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The Occupational Safety and Health Administration's interpretation of the product's hazard to workers.

SARA Title 3:

Section 311/312 Categorizations (40 CFR 372): This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate and delayed health, and flammability physical hazard.



Safety Data Sheet (SDS)

Date Prepared/Revised: 9/18/19 Version no.: 03 Supersedes: (4/28/17)

Superfund Amendment and Reauthorization Act (SARA) category. SARA requires reporting any spill of any hazardous substance.

TSCA status: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the (M)SDS contains all of the information required by the CPR.

16. Other Information

This SDS has been completed in accordance with GHS Rev04 (2011): U.S OSHA, CMA, ANSI, Canadian WHMIS standards, and European Directives.

Date of Preparation/Revision: 9/18/19

Supersedes: (4/28/17)

To the best of our knowledge, the information contained herein is believed to be accurate. However, the above data does not imply any guarantee or warranty of any kind, expressed or implied. The final determination of the suitability of any material is the sole responsibility of the user. All materials made present un-known hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.