



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and  
Regulation (EC) No. 1272/2008

Revision date 12-12-2023

Revision Number 2.31

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Name** Utility Range 200ml Invertible Flammable Sprayduster  
**Product Code(s)** AHFC200UT, AHFC200UT4PK, ZA  
**Safety data sheet number** 01700  
**Unique Formula Identifier (UFI)** RXP4-S02C-J005-KX9M  
**Pure substance/mixture** Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Cleaning agent  
**Uses advised against** No specific uses advised against are identified

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

| <u>Manufacturer</u>   | <u>Supplier</u>  |
|---|--|
| AF INTERNATIONAL<br>MacDermid Alpha Electronics Solutions<br>ASHBY PARK<br>COALFIELD WAY<br>ASHBY de la ZOUCH<br>LEICESTERSHIRE. LE65 1JR<br>UNITED KINGDOM | HK WENTWORTH LIMITED<br>32 RUE DE TOURNENFILS<br>91540 MENNECY<br>FRANCE |
| +44 (0) 1530 419600<br>+44 (0) 1530 416640  | +33 (0) 1 82 88 47 94  |

info@af-net.com

info@af-net.com

For further information, please contact

**E-mail address** info@af-net.com

### 1.4. Emergency telephone number

**Emergency Telephone** National Poisons Information Centre. +353 (0) 1 809 2566 (Healthcare Professionals),  
+353(0) 1 809 2166

Emergency Telephone - IN CASE OF EMERGENCY CALL: +44 1235 239670

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to  
Regulation (EC) No. 1272/2008 [CLP]

|                    |                           |
|--------------------|---------------------------|
| Flammable aerosols | Category 1 - (H222, H229) |
|--------------------|---------------------------|

### 2.2. Label elements



#### Signal word

Danger

#### Hazard statements

H222 - Extremely flammable aerosol  
H229 - Pressurized container: May burst if heated

#### Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
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, and international regulations as applicable.

### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name | Weight-% | REACH registration number | EC No (EU Index No) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---------------|----------|---------------------------|---------------------|---|------------------------------------|----------|----------------------|
|---------------|----------|---------------------------|---------------------|---|------------------------------------|----------|----------------------|

|  |        |                   |           |                     |   |   |   |
|--|--------|-------------------|-----------|---------------------|---|---|---|
| Petroleum gases, liquefied<br>68476-85-7 | 60-100 | No data available | 270-704-2 | Flam. Gas 1A (H220) | - | - | - |
|--|--------|-------------------|-----------|---------------------|---|---|---|

**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                     |  |
|---------------------|--|
| <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 skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                 |
| <b>Ingestion</b>    | Rinse mouth.   |

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

|                            |                           |
|----------------------------|---------------------------|
| <b>Symptoms</b>            | No information available. |
| <b>Effects of Exposure</b> | None.                     |

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

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |   |
|---------------------------------------|---|
| <b>Suitable Extinguishing Media</b>   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.                                       |

### 5.2. Special hazards arising from the substance or mixture

|   |                           |
|---|---------------------------|
| <b>Specific hazards arising from the chemical</b> | No information available. |
|---|---------------------------|

### 5.3. Advice for firefighters

|   |   |
|---|---|
| <b>Special protective equipment and</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. |
|---|---|

precautions for fire-fighters Use personal protection equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

### 6.3. 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 Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

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

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510) Not determined.

### 7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

| Chemical name    | European Union | Austria | Belgium       | Bulgaria | Croatia       |
|------------------|----------------|---------|---------------|----------|---------------|
| Petroleum gases, | -              | -       | TWA: 1000 ppm | -        | TWA: 1000 ppm |

|   |               |  |                             |  |  |
|---|---------------|--|-----------------------------|--|--|
| liquefied<br>68476-85-7                     |               |  | TWA: 1826 mg/m <sup>3</sup> |  | TWA: 1750 mg/m <sup>3</sup><br>STEL: 1250 ppm<br>STEL: 2180 mg/m <sup>3</sup>                  |
| Chemical name                               | Cyprus        | Czech Republic   | Denmark                     | Estonia  | Finland  |
| Petroleum gases,<br>liquefied<br>68476-85-7 | -             | TWA: 1800 mg/m <sup>3</sup><br>Ceiling: 4000 mg/m <sup>3</sup> | -                           | -  | -  |
| Chemical name                               | France        | Germany TRGS   | Germany DFG                 | Greece   | Hungary  |
| Petroleum gases,<br>liquefied<br>68476-85-7 | -             | -  | -                           | TWA: 1250 ppm<br>TWA: 2250 mg/m <sup>3</sup><br>STEL: 1250 ppm<br>STEL: 2250 mg/m <sup>3</sup> | -  |
| Chemical name                               | Ireland       | Italy MDLPS  | Italy AIDII                 | Latvia   | Lithuania  |
| Petroleum gases,<br>liquefied<br>68476-85-7 | -             | -  | Simple asphyxiant           | -  | -  |
| Chemical name                               | Portugal      | Romania  | Slovakia                    | Slovenia   | Spain  |
| Petroleum gases,<br>liquefied<br>68476-85-7 | TWA: 1000 ppm | -  | -                           | -  | TWA: 1000 ppm  |
| Chemical name                               | Sweden        |  | Switzerland                 |  | United Kingdom   |
| Petroleum gases, liquefied<br>68476-85-7    | -             |  | -                           |  | TWA: 1000 ppm<br>TWA: 1750 mg/m <sup>3</sup><br>STEL: 1250 ppm<br>STEL: 2180 mg/m <sup>3</sup> |

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

#### Derived No Effect Level (DNEL) - Workers

| Chemical name                            | Oral | Dermal                    | Inhalation |
|--|------|---------------------------|------------|
| Petroleum gases, liquefied<br>68476-85-7 | -    | 23.4 mg/kg bw/day [4] [6] | -          |

[4] Systemic health effects.  
[6] Long term.

#### Derived No Effect Level (DNEL) - General Public .

#### Predicted No Effect Concentration (PNEC) .

### 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

|  |  |
|--|--|
| <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.   |
| <b>Environmental exposure controls</b> | No information available.  |

## SECTION 9: Physical and chemical properties

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

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Aerosol                  |
| <b>Appearance</b>     | Aerosol                  |
| <b>Color</b>          | Colorless                |
| <b>Odor</b>           | Characteristic.          |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                                | <u>Values</u>            | <u>Remarks • Method</u> |
|--|--------------------------|-------------------------|
| <b>Melting point / freezing point</b>          | No data available        | None known              |
| <b>Initial boiling point and boiling range</b> | No data available        | None known              |
| <b>Flammability</b>                            | No data available        | None known              |
| <b>Flammability Limit in Air</b>               |                          | None known              |
| <b>Upper flammability or explosive limits</b>  | No data available        |                         |
| <b>Lower flammability or explosive limits</b>  | No data available        |                         |
| <b>Flash point</b>                             | -40 °C                   | Closed cup              |
| <b>Autoignition temperature</b>                | No data available        | None known              |
| <b>Decomposition temperature</b>               |                          | None known              |
| <b>pH</b>                                      | No data available        | None known              |
| <b>pH (as aqueous solution)</b>                | No data available        | None known              |
| <b>Kinematic viscosity</b>                     | No data available        | None known              |
| <b>Dynamic viscosity</b>                       | No data available        | None known              |
| <b>Water solubility</b>                        | No data available        | None known              |
| <b>Solubility(ies)</b>                         | No data available        | None known              |
| <b>Partition coefficient</b>                   | No data available        | None known              |
| <b>Vapor pressure</b>                          | No data available        | None known              |
| <b>Relative density</b>                        | No data available        | None known              |
| <b>Bulk density</b>                            | No data available        |                         |
| <b>Liquid Density</b>                          | No data available        |                         |
| <b>Relative vapor density</b>                  | No data available        | None known              |
| <b>Particle characteristics</b>                |                          |                         |
| <b>Particle Size</b>                           | No information available |                         |
| <b>Particle Size Distribution</b>              | No information available |                         |

### 9.2. Other information

9.2.1. Information with regard to physical hazard classes  
No information available

9.2.2. Other safety characteristics  
No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity No information available.

#### 10.2. Chemical stability

Stability Stable under normal conditions.

#### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

#### 10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

#### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Information on likely routes of exposure

##### Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

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

Symptoms No information available.

##### Acute toxicity

##### Numerical measures of toxicity

No information available

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

**Carcinogenicity** Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### 11.2.1. .

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 11.2.2. Other information

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

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

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

#### **Bioaccumulation**

#### **Component Information**

| Chemical name | Partition coefficient |
|---------------|-----------------------|
|---------------|-----------------------|



|                            |     |
|----------------------------|-----|
| Petroleum gases, liquefied | 2.8 |
|----------------------------|-----|

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name              | PBT and vPvB assessment         |
|----------------------------|---------------------------------|
| Petroleum gases, liquefied | The substance is not PBT / vPvB |

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

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

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

**SECTION 14: Transport information**

**IATA**

- 14.1 UN number or ID number UN1950
- 14.2 UN proper shipping name AEROSOLS, FLAMMABLE
- 14.3 Transport hazard class(es) 2.1
- 14.4 Packing group None
- 14.5 Environmental hazards No
- 14.6 Special precautions for user  
Special Provisions None

**IMDG**

- 14.1 UN number or ID number UN1950
- 14.2 UN proper shipping name AEROSOLS, FLAMMABLE
- 14.3 Transport hazard class(es) 2.1
- 14.4 Packing group None
- 14.5 Environmental hazards No
- 14.6 Special precautions for user  
Special Provisions None  
EmS-No. F-D, S-U
- 14.7 Maritime transport in bulk according to IMO instruments No information available

**RID**

|                                   |                     |
|-----------------------------------|---------------------|
| 14.1 UN number or ID number       | UN1950              |
| 14.2 UN proper shipping name      | AEROSOLS, FLAMMABLE |
| 14.3 Transport hazard class(es)   | 2.1                 |
| 14.4 Packing group                | None                |
| 14.5 Environmental hazards        | No                  |
| 14.6 Special precautions for user |                     |
| Special Provisions                | None                |

**ADR**

|                                   |                     |
|-----------------------------------|---------------------|
| 14.1 UN number or ID number       | UN1950              |
| 14.2 UN proper shipping name      | AEROSOLS, FLAMMABLE |
| 14.3 Transport hazard class(es)   | 2.1                 |
| 14.4 Packing group                | None                |
| 14.5 Environmental hazards        | No                  |
| 14.6 Special precautions for user |                     |
| Special Provisions                | None                |
| Tunnel restriction code           | (D)                 |

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**Germany**

Water hazard class (WGK) non-hazardous to water (nwg)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name                           | Restricted substance per REACH Annex XVII  | Substance subject to authorization per REACH Annex XIV |
|---|--|--|
| Petroleum gases, liquefied - 68476-85-7 | Use restricted. See item 28.<br>Use restricted. See item 29.<br>Use restricted. See item 75. | -  |

**Persistent Organic Pollutants**

Not applicable

**Named dangerous substances per Seveso Directive (2012/18/EU)**

| Chemical name                           | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|---|--------------------------------|--------------------------------|
| Petroleum gases, liquefied - 68476-85-7 | 50                             | 200                            |

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

|                      |  |
|----------------------|--|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECL</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIIC</b>          | Contact supplier for inventory compliance status |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status |

**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  
**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

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

H220 - Extremely flammable gas

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: Exposure controls/personal protection**

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

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapor                               | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitization                                       | Calculation method |
| Skin sensitization  | Calculation method |
| Mutagenicity  | Calculation method |

|                          |                    |
|--------------------------|--------------------|
| Carcinogenicity          | Calculation method |
| Reproductive toxicity    | Calculation method |
| STOT - single exposure   | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity   | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard        | Calculation method |
| Ozone                    | Calculation method |

**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)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
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** 12-12-2023

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

**Disclaimer**

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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**