

# Safety Data Sheet



Revision Date 10-Jul-2017  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Anti Static Spray Retardant

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

Recommended Use Antistatic agent

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

Supplier Legend Brands Europe  
Chemspec  
22 Plover Close Interchange Park  
Newport Pagnell MK16 9PS, UK  
+44 (0) 1908 611211

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

|                |   |
|----------------|---|
| Europe         | 112   |
| Austria        | +43 1 406 43 43   |
| Belgium        | Poison center (BE): +32 70 245 245  |
| Denmark        | Poison Control Hotline (DK): +45 82 12 12 12  |
| Finland        | Poison Information Centre (FI): +358 9 471 977  |
| France         | ORFILA (FR): + 01 45 42 59 59   |
| Germany        | Poison Center Berlin (DE): +49 030 30686 790<br>Poison Center Nord: +49 551 19240 (24h available English / German)      |
| Ireland        | National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566  |
| Iceland        | +354 543 2222   |
| Italy          | Poison Center, Milan (IT): +39 02 6610 1029   |
| Luxembourg     | 112   |
| Netherlands    | National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals) |
| Norway         | Poisons Information (NO): + 47 22 591300  |
| Portugal       | Poison Information Center (PT): +351 21 330 3284  |
| Spain          | Poison Information Service (ES): +34 91 562 04 20   |
| Sweden         | Poisons Information Center (SV): +46 8 33 12 31   |
| Switzerland    | Poison Center: Tel 145; +41 44 251 51 51  |
| United Kingdom | 111   |

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

|  |                     |
|--|---------------------|
| <b>Skin corrosion/irritation</b>         | Category 1 - (H314) |
| <b>Serious eye damage/eye irritation</b> | Category 1 - (H318) |
| <b>Chronic aquatic toxicity</b>          | Category 3 - (H412) |

## 2.2 Label elements



**Signal Word**  
Danger

### Hazard Statements

H314 - Causes severe skin burns and eye damage  
H412 - Harmful to aquatic life with long lasting effects

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P280 - Wear eye protection/ face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

## 2.3. Other Hazards

No information available

## 3. Composition/information on ingredients

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2 Mixtures

| Chemical Name                                    | EC-No     | CAS No.    | Weight-% | Classification (1272/2008/EC)  | REACH Registration Number |
|--|-----------|------------|----------|--|---------------------------|
| Cationic Surfactant Quaternary Ammonium Compound | 269-663-3 | 68308-67-8 | 1 - 2.5  | Acute Tox. 4(H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1(H318)<br><br>Aquatic Acute 1(H400)<br>Aquatic Chronic 1(H410) | no data available         |
| NITRIC ACID                                      | 231-714-2 | 7697-37-2  | < 0.1    | Skin Corr. 1A (H314)<br>Ox. Liq. 3 (H272)  | no data available         |

For the full text of the H-Statements mentioned in this Section, see Section 16

## 4. First Aid Measures

### 4.1 Description of first-aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move to fresh air.   |
| <b>Skin contact</b> | Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water.                                   |

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

**Symptoms** No information available.

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

**Notes to physician** Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media**

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

**Extinguishing media which shall not be used for safety reasons**

No information available.

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

No information available.

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **6. Accidental Release Measures**

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

**Personal precautions**

Ensure adequate ventilation, especially in confined areas.

**Advice for emergency responders**

For personal protection see section 8.

#### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so.

#### **6.3 Methods and materials 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 and collect in suitable container for disposal.

#### **6.4 Reference to other sections**

See section 8 for more information.

### **7. Handling and storage**

**7.1 Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation.

**Hygiene measures** 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.

**7.3 Specific end uses****Specific use(s)**

No information available

**Exposure scenario**

No information available.

**8. Exposure controls/personal protection****8.1 Control parameters****Exposure Limit Values**

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

| Chemical Name            | European Union  | Austria  | Belgium                                    | Denmark   | Finland  | France                                     |
|--------------------------|---|--|--|---|--|--|
| NITRIC ACID<br>7697-37-2 |   | STEL 1 ppm<br>STEL 2.6 mg/m <sup>3</sup>                 | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> |   | TWA: 0.5 ppm<br>TWA: 1.3 mg/m <sup>3</sup><br>STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> |
| Chemical Name            | Germany   | Iceland  | Ireland                                    | Italy   | Luxembourg   | The Netherlands                            |
| NITRIC ACID<br>7697-37-2 | TWA: 1 ppm<br>TWA: 2.6 mg/m <sup>3</sup>  | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup>               | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> | STEL: 4 ppm<br>STEL: 10.3 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 5.2 mg/m <sup>3</sup><br>STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup>   | STEL: 1.3 mg/m <sup>3</sup>                |
| Chemical Name            | Norway  | Portugal   | Spain                                      | Sweden  | Switzerland  | The United Kingdom                         |
| NITRIC ACID<br>7697-37-2 | TWA: 2 ppm<br>TWA: 5 mg/m <sup>3</sup><br>STEL: 4 ppm<br>STEL: 10 mg/m <sup>3</sup> | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup><br>TWA: 2 ppm | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> | LLV: 2 ppm<br>LLV: 5 mg/m <sup>3</sup><br>STV: 5 ppm<br>STV: 13 mg/m <sup>3</sup>   | STEL: 2 ppm<br>STEL: 5 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 5 mg/m <sup>3</sup>       | STEL: 1 ppm<br>STEL: 2.6 mg/m <sup>3</sup> |

TWA: Time weighted average  
STEL: Short term exposure limit  
LLV: Exposure Limit Values  
STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2 Exposure controls**

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

**Personal protective equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Hand Protection**

Protective gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure Controls** No information available.

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Hazy                     |
| <b>Color</b>          | White                    |
| <b>Odor</b>           | Slight                   |
| <b>Odor Threshold</b> | No information available |

| <u>Property</u>              | <u>Values</u> | <u>Remarks</u>           |
|------------------------------|---------------|--------------------------|
| pH                           | 2             |                          |
| Melting/freezing point       |               | No information available |
| Boiling point/boiling range  |               | No information available |
| Flash Point                  |               | No information available |
| Evaporation rate             |               | No information available |
| Flammability (solid, gas)    |               | No information available |
| Flammability Limits in Air   |               |                          |
| upper flammability limit     |               | No information available |
| lower flammability limit     |               | No information available |
| Vapor pressure               |               | No information available |
| Vapor density                |               | No information available |
| Specific Gravity             |               | No information available |
| Water solubility             |               | No information available |
| Solubility in other solvents |               | No information available |
| Partition coefficient        |               | No information available |
| Autoignition temperature     |               | No information available |
| Decomposition temperature    |               | No information available |
| Viscosity, kinematic         |               | No information available |
| Viscosity, dynamic           |               | No information available |
| Explosive properties         |               | No information available |
| Oxidizing Properties         |               | No information available |

**9.2 Other information**

**Volatile organic compounds (VOC) content** No information available

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

### 10.5 Incompatible Materials

No materials to be especially mentioned

### 10.6 Hazardous Decomposition Products

None under normal use conditions.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product Information

The product itself has not been tested.

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | There are no data available for this product. |
| <b>Eye contact</b>  | There are no data available for this product. |
| <b>Skin contact</b> | There are no data available for this product. |
| <b>Ingestion</b>    | There are no data available for this product. |

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

**ATEmix (oral)** 23,788.00 mg/kg

#### Unknown Acute Toxicity

- < 1% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

|  |                           |
|--|---------------------------|
| <b>Carcinogenicity</b>   | No information available. |
| <b>Reproductive toxicity</b>                                       | No information available. |
| <b>Specific target organ systemic toxicity (single exposure)</b>   | No information available. |
| <b>Specific target organ systemic toxicity (repeated exposure)</b> | No information available. |
| <b>Aspiration hazard</b>   | No information available. |

## 12. Ecological information

### 12.1 Toxicity

< 1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### **Ecotoxicity effects**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

| Chemical Name | log Pow |
|---------------|---------|
| NITRIC ACID   | -2.3    |

### 12.4 Mobility in soil

#### **Mobility in soil**

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects.

No information available.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

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

**Contaminated packaging** Empty remaining contents.

## 14. Transport Information

**ADR**

|                           |                |
|---------------------------|----------------|
| 14.1 UN                   | Not regulated  |
| 14.2 Proper shipping name | Not regulated  |
| 14.3 Hazard class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions   | None           |

**IMDG**

|   |                          |
|---|--------------------------|
| 14.1 UN   | Not regulated            |
| 14.2 Proper shipping name   | Not regulated            |
| 14.3 Hazard class   | Not regulated            |
| 14.4 Packing Group  | Not regulated            |
| 14.5 Marine pollutant   | Not applicable           |
| 14.6 Special Provisions   | None                     |
| 14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code | No information available |

**IATA**

|                           |                |
|---------------------------|----------------|
| 14.1 UN                   | Not regulated  |
| 14.2 Proper shipping name | Not regulated  |
| 14.3 Hazard class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions   | None           |

**15. Regulatory information**

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

**National regulatory information**  
Germany

**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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)  
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**  
Not applicable

**International Inventories**

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



**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECS** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2 Chemical Safety Assessment**

No information available

**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**

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H314 - Causes severe skin burns and eye damage  
H272 - May intensify fire; oxidizer

**Revision Date** 10-Jul-2017

**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Disclaimer**

**The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.**

**End of Safety Data Sheet**