



# NIELSEN

## SAFETY DATA SHEET ONE SHOT

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

#### 1.1. Product identifier

Product name ONE SHOT

Product number B014

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

Identified uses Air Conditioner Treatment

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

Supplier NIELSEN CHEMICALS  
RAWDON ROAD  
MOIRA  
SWADLINCOTE  
DERBYSHIRE  
DE12 6DA  
info@nielsenchemicals.com  
TEL: +44 (0) 1283 222277  
FAX: +44 (0) 1283 550621

#### 1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

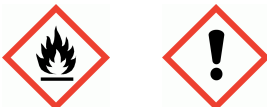
Physical hazards Aerosol 1 - H222, H229

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

#### 2.2. Label elements

##### Pictogram



Signal word Danger

Hazard statements  
H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated  
H319 Causes serious eye irritation.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P260 Do not breathe vapour/spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves, eye and face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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## 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>DIMETHYL ETHER</b> <span style="float: right;"><b>30-60%</b></span> CAS number: 115-10-6                      EC number: 204-065-8                      REACH registration number: 01-2119472128-37
<b>Classification</b> <span style="float: right;"><b>Classification (67/548/EEC or 1999/45/EC)</b></span> Flam. Gas 1 - H220    F+;R12 Press. Gas, Compressed - H280
<b>Ethyl alcohol</b> <span style="float: right;"><b>30-60%</b></span> CAS number: 64-17-5                      EC number: 200-578-6                      REACH registration number: 01-2119457610-43-xxxx
<b>Classification</b> <span style="float: right;"><b>Classification (67/548/EEC or 1999/45/EC)</b></span> Flam. Liq. 2 - H225    F;R11 Eye Irrit. 2 - H319
<b>N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE</b> <span style="float: right;"><b>&lt;1%</b></span> CAS number: 2372-82-9                      EC number: 219-145-8 M factor (Acute) = 10
<b>Classification</b> <span style="float: right;"><b>Classification (67/548/EEC or 1999/45/EC)</b></span> Acute Tox. 3 - H301    Xn;R48/22,R22. C;R35. N;R50. Skin Corr. 1A - H314 STOT RE 2 - H373 Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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<b>Inhalation</b>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention.

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

<b>Inhalation</b>	Upper respiratory irritation.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	Product has a defatting effect on skin.
<b>Eye contact</b>	Causes serious eye irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

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

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Wash thoroughly after dealing with a spillage.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

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**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

## 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Do not expose to temperatures exceeding 50°C/122°F. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling.

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

**Storage precautions** Store at temperatures between 4°C and 40°C.

**Storage class** Flammable compressed gas storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 985 mg/m<sup>3</sup>

#### Ethyl alcohol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### DIMETHYL ETHER (CAS: 115-10-6)

**DNEL** Workers - Inhalation; Long term systemic effects: 1894 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 471 mg/m<sup>3</sup>

**PNEC**

- Fresh water; 0.155 mg/l
- Marine water; 0.016 mg/l
- Intermittent release; 1549 mg/l
- STP; 160 mg/l
- Sediment (Freshwater); 0.681 mg/l
- Sediment (Marinewater); 0.069 mg/l
- Soil; 0.045 mg/l

#### ETHANOL (CAS: 64-17-5)

**Ingredient comments** WEL = Workplace Exposure Limits

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<b>DNEL</b>	Industry - Inhalation; Short term : 1900 mg/m <sup>3</sup> Industry - Dermal; Long term : 343 mg/kg/day Industry - Inhalation; Long term : 950 mg/m <sup>3</sup> Consumer - Inhalation; Short term : 950 mg/m <sup>3</sup> Consumer - Dermal; Long term : 206 mg/kg/day Consumer - Inhalation; Long term : 114 mg/m <sup>3</sup> Consumer - Oral; Long term : 87 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.96 mg/l - Marine water; 0.79 mg/l - Soil; 0.62 mg/kg - STP; 580 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

#### Hygiene measures

Wash hands thoroughly after handling.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Aerosol.
Colour	Colourless.
Odour	Fruity.
pH	Not applicable.
Solubility(ies)	Not applicable.

#### 9.2. Other information

Other information	No information required.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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## 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

## 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

## 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

## 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** Upper respiratory irritation.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Product has a defatting effect on skin.

**Eye contact** Causes serious eye irritation.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Acute toxicity - fish** Not determined.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID) 1950  
 UN No. (IMDG) 1950  
 UN No. (ICAO) 1950

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS  
 Proper shipping name (IMDG) AEROSOLS  
 Proper shipping name (ICAO) AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID class 2  
 IMDG class 2  
 ICAO class/division 2

### Transport labels



### 14.4. Packing group

ADR/RID packing group 5F

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
 No.

### 14.6. Special precautions for user

Tunnel restriction code (D)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).  
**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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**Guidance** Workplace Exposure Limits EH40.

## 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	05/10/2015
<b>Revision</b>	3.1
<b>Supersedes date</b>	29/06/2015
<b>SDS number</b>	25220
<b>Risk phrases in full</b>	R11 Highly flammable. R12 Extremely flammable.
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated H280 Contains gas under pressure; may explode if heated. H301 Toxic if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.

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