

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Clean-Air

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

##### 1.2.1. Relevant identified uses

No additional information available

##### 1.2.2. Uses advised against

No additional information available

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

Gur Thermal Systems Cleaning Technologies Ltd., Israel  
+972 3 6492053 \ Fax: +972 3 6482892

#### 1.4. Emergency telephone number

No additional information available  
+972-544653064 \ Local Health Authority

### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier  | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                   |
|---|---|-----|---|
| Nonylphenol Ethoxylate 10 mol   | (CAS-No.) 37205-87-1  | < 5 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411 |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | (CAS-No.) 68424-85-1<br>(EC-No.) 270-325-2<br>(REACH-no) 01-2119965180-41 | < 1 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 (M=100)                 |

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

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according to Regulation (EU) 2015/830

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Environmental exposure controls:

Avoid release to the environment.

### SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Colour : light blue.

Odour : No data available

Odour threshold : No data available

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|  |                          |
|--|--------------------------|
| pH   | : 7 - 8                  |
| Relative evaporation rate (butylacetate=1) | : No data available      |
| Melting point                              | : Not applicable         |
| Freezing point                             | : 0 °C                   |
| Boiling point                              | : 100 °C                 |
| Flash point                                | : No data available      |
| Auto-ignition temperature                  | : No data available      |
| Decomposition temperature                  | : No data available      |
| Flammability (solid, gas)                  | : Not applicable         |
| Vapour pressure                            | : No data available      |
| Vapour pressure at 50 °C                   | : 5 mm Hg                |
| Relative vapour density at 20 °C           | : No data available      |
| Relative density                           | : No data available      |
| Density                                    | : 1.05 kg/m <sup>3</sup> |
| Solubility                                 | : Water: soluble         |
| Log Pow                                    | : No data available      |
| Viscosity, kinematic                       | : No data available      |
| Viscosity, dynamic                         | : No data available      |
| Explosive properties                       | : No data available      |
| Oxidising properties                       | : No data available      |
| Explosive limits                           | : No data available      |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

### Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

|             |                       |
|-------------|-----------------------|
| LD50 oral   | 426 mg/kg bodyweight  |
| LD50 dermal | 2300 mg/kg bodyweight |

### Nonylphenol Ethoxylate 10 mol (37205-87-1)

|                                   |                               |
|-----------------------------------|-------------------------------|
| LD50 oral rat                     | > 2000 mg/kg                  |
| Skin corrosion/irritation         | : Not classified<br>pH: 7 - 8 |
| Serious eye damage/irritation     | : Not classified<br>pH: 7 - 8 |
| Respiratory or skin sensitisation | : Not classified              |
| Germ cell mutagenicity            | : Not classified              |
| Carcinogenicity                   | : Not classified              |
| Reproductive toxicity             | : Not classified              |
| STOT-single exposure              | : Not classified              |

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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

|                                |                                   |
|--------------------------------|-----------------------------------|
| LC50 fish 1                    | 0.28 mg/l                         |
| EC50 other aquatic organisms 1 | 0.0058 mg/l EC50 waterflea (48 h) |
| EC50 other aquatic organisms 2 | 0.049 mg/l IC50 algae (72 h) mg/l |

#### Nonylphenol Ethoxylate 10 mol (37205-87-1)

|                    |             |
|--------------------|-------------|
| LC50 fish 1        | 7.5 mg/l    |
| EC50 Daphnia 1     | 20 mg/l     |
| EC50 72h algae (1) | > 1000 mg/l |
| ErC50 (algae)      | 63 mg/l     |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

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

##### Component

|  |   |
|--|---|
| Nonylphenol Ethoxylate 10 mol (37205-87-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|--|---|

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

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### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] (CAS 37205-87-1)

Contains REACH Annex XIV substances:

Directive 2012/18/EU (SEVESO III)

#### 15.1.2. National regulations

##### Germany

Reference to AwSV

: Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen

: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides is listed

SZW-lijst van mutagene stoffen

: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

: None of the components are listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Full text of H- and EUH-statements:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 2   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2                     |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1B                            |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2                             |
| H302                | Harmful if swallowed.   |
| H314                | Causes severe skin burns and eye damage.                          |
| H315                | Causes skin irritation.   |
| H319                | Causes serious eye irritation.                                    |

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## Safety Data Sheet

according to Regulation (EU) 2015/830

|        |  |
|--------|--|
| H400   | Very toxic to aquatic life.                      |
| H411   | Toxic to aquatic life with long lasting effects. |
| EUH210 | Safety data sheet available on request.          |

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*