



# NIELSEN

## SAFETY DATA SHEET CITRUS SHEEN

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

#### 1.1. Product identifier

Product name                    CITRUS SHEEN  
Internal identification        B070

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

Identified uses                Car maintenance product.  
Uses advised against        Use only for intended applications.

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

Supplier                        NIELSEN CHEMICALS  
                                      RAWDON ROAD  
                                      MOIRA  
                                      SWADLINCOTE  
                                      DERBYSHIRE  
                                      DE12 6DA  
                                      TEL: +44 (0) 1283 222277  
                                      FAX: +44 (0) 1283 225731  
                                      info@nielsenchemicals.com

#### 1.4. Emergency telephone number

Emergency telephone        +44 (0) 777 8505 330 (24 hrs). +44 (0) 1865 407333 (24 hrs). MEDICAL AND ENVIRONMENTAL EMERGENCIES ONLY.

### SECTION 2: Hazards identification

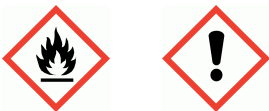
#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards              Aerosol 1 - H222, H229  
Health hazards                Skin Irrit. 2 - H315  
Environmental hazards      Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Pictogram



Signal word                    Danger

Hazard statements            H222 Extremely flammable aerosol.  
                                      H229 Pressurised container: may burst if heated.  
                                      H315 Causes skin irritation.  
                                      H412 Harmful to aquatic life with long lasting effects.

## CITRUS SHEEN

|                                 |   |
|---------------------------------|---|
| <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>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves.</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> |
|---------------------------------|---|

### 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>HYDROCARBON PROPELLANT</b>  | <b>60-100%</b> |
| CAS number: 68476-85-7                      EC number: 270-704-2   |                |
| <b>Classification</b><br>Flam. Gas 1 - H220<br>Press. Gas (Liq.) - H280  |                |
| <b>HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLIC</b>   | <b>10-30%</b>  |
| CAS number: 142-82-5                      EC number: 927-510-4                      REACH registration number: 01-2119475515-33-XXXX       |                |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411 |                |

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

|                            |  |
|----------------------------|--|
| <b>General information</b> | Show this Safety Data Sheet to the medical personnel.  |
| <b>Inhalation</b>          | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.   |
| <b>Ingestion</b>           | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.  |
| <b>Skin contact</b>        | Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.   |
| <b>Eye contact</b>         | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues. |

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

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | Coughing, chest tightness, feeling of chest pressure. |
|-------------------|---|



## CITRUS SHEEN

### Usage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of the reach of children. Wear protective gloves. Avoid contact with skin, eyes and clothing. Do not breathe vapour/spray. Do not expose to temperatures exceeding 50°C/122°F. Provide adequate ventilation. Keep container in a well-ventilated place. Do not pierce or burn, even after use. Avoid release to the environment. Avoid contact with contaminated tools and objects. Do not empty into drains. Do not eat, drink or smoke when using this product. Do not handle broken packages without protective equipment. Wash hands thoroughly after handling.

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

#### Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store at temperatures between 4°C and 40°C. Do not expose to temperatures exceeding 50°C/122°F.

#### 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

##### HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

##### HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLIC

Long-term exposure limit (8-hour TWA): WEL 500 ppm 2085 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Ingredient comments

WEL = Workplace Exposure Limits

#### HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLIC (CAS: 142-82-5)

#### DNEL

Industry - Dermal; Long term : 300 mg/kg/day

Industry - Inhalation; Long term : 2085 mg/m<sup>3</sup>

Consumer - Dermal; Long term : 149 mg/kg/day

Consumer - Inhalation; Long term : 447 mg/m<sup>3</sup>

### 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.

## CITRUS SHEEN

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. 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. When used with mixtures, the protection time of gloves cannot be accurately estimated. 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. Frequent changes are recommended. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Gloves made from the following material may provide suitable chemical protection: Neoprene. Nitrile rubber. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application.

### 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           | Pleasant, agreeable. |
| Solubility(ies) | Insoluble in water.  |

### 9.2. Other information

|                   |                 |
|-------------------|-----------------|
| Other information | Not determined. |
|-------------------|-----------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |   |
|------------|---|
| Reactivity | There are no known reactivity hazards associated with this product. |
|------------|---|

### 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: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). |
|----------------------------------|---|

## CITRUS SHEEN

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Coughing, chest tightness, feeling of chest pressure. |
| <b>Ingestion</b>    | Gastrointestinal symptoms, including upset stomach.   |
| <b>Skin contact</b> | Causes skin irritation.                               |
| <b>Eye contact</b>  | May cause discomfort.                                 |

#### Toxicological information on ingredients.

##### HYDROCARBON PROPELLANT

###### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 21.6

**Species** Rat

**ATE inhalation (vapours mg/l)** 21.6

##### HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLIC

###### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,840.0

**Species** Rat

**ATE oral (mg/kg)** 5,840.0

###### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,920.0

**Species** Rat

**ATE dermal (mg/kg)** 2,920.0

###### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 23.3

**Species** Rat

**ATE inhalation (vapours mg/l)** 23.3

### SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Acute toxicity - fish** Not determined.

#### Ecological information on ingredients.

## CITRUS SHEEN

### HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLIC

#### Acute aquatic toxicity

**Acute toxicity - fish** LC50, 96 hours: > 13.4 mg/l, Oncorhynchus mykiss (Rainbow trout)  
LC50, 96 hours: <10 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC50, 48 hours: 3 mg/l, Daphnia magna  
EC50, 48 hours: <10 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC50, 72 hours: <10 mg/l, Algae

#### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOEC, 28 days: 1.53 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 1 mg/l, Daphnia magna

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water and will spread on the water surface.

#### 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

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

### SECTION 14: Transport information

#### Special Provisions note

#### 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

## CITRUS SHEEN

Proper shipping name (ICAO) AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

IMDG class 2.1

ICAO class/division 2.1

### Transport labels



### 14.4. Packing group

Not applicable.

### 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 MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## 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).  
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

**EU legislation** Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).  
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).  
Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Commission Regulation (EU) No 2015/830 of 28 May 2015.

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

## SECTION 16: Other information



## CITRUS SHEEN

|   |   |
|---|---|
| <b>Abbreviations and acronyms used in the safety data sheet</b> | <p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>GHS: Globally Harmonized System.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>UN: United Nations.</p> |
| <b>Classification abbreviations and acronyms</b>                | <p>Aerosol = Aerosol</p> <p>Skin Irrit. = Skin irritation</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Flam. Gas = Flammable gas</p> <p>Press. Gas (Liq.) = Gas under pressure: Liquefied gas</p> <p>Flam. Liq. = Flammable liquid</p> <p>STOT SE = Specific target organ toxicity-single exposure</p> <p>Asp. Tox. = Aspiration hazard</p>   |
| <b>Revision comments</b>  | This is the first issue.  |
| <b>Revision date</b>  | 29/11/2018  |
| <b>Revision</b>   | 1.0   |
| <b>SDS number</b>   | 27648   |
| <b>Hazard statements in full</b>                                | <p>H220 Extremely flammable gas.</p> <p>H222 Extremely flammable aerosol.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H280 Contains gas under pressure; may explode if heated.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>  |

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.