



# Fresh 24 gel - Nu car

## Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Date of issue: 23/03/2020

Revision date: 23/03/2022

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Fresh 24 gel - Nu car  
Type of product : Air freshener  
Product code : SH1194  
Product group : Trade product

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

No additional information available

#### 1.3. Supplier's details

##### Manufacturer

Shield Chemicals (Pty) Ltd  
9 London Rd  
Apex  
P.O. Box 1939  
1501 Benoni - South Africa  
T (011) 421 7111  
[info@shieldchem.co.za](mailto:info@shieldchem.co.za)

#### 1.4. Emergency telephone number

Emergency number : (011) 421 7111

### SECTION 2: Hazards identification

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

##### Classification according to the United Nations GHS

Skin sensitisation Not classified

Carcinogenicity Not classified

Hazardous to the aquatic environment - Acute Hazard Not classified

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

#### 2.2. Label elements

##### Labelling according to the United Nations GHS

Signal word (GHS-ZA) : -  
Hazard statements (GHS-ZA) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (GHS-ZA) : P273 - Avoid release to the environment.  
P501 - Dispose of contents and container to an approved waste disposal plant.

#### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Harmful to aquatic life with long lasting effects.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name    | Product identifier | %         | Classification according to the United Nations GHS  |
|---------|--------------------|-----------|---|
| ethanol | (CAS-No.) 64-17-5  | 1.0 - 5.0 | Flam. Liq. 2, H225<br>Acute Tox. Not classified (Oral)<br>Acute Tox. Not classified (Dermal)<br>Asp. Tox. 2, H305<br>Aquatic Acute Not classified |

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.

# Fresh 24 gel - Nu car

## Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

### 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.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

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

No additional information available

### 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

No additional information available

#### 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 : Mechanically recover the product.

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

## 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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| ethanol (64-17-5)   |                             |
|---|-----------------------------|
| South Africa - Occupational Exposure Limits (Recommended Limits)  |                             |
| Local name  | Ethanol (Ethyl alcohol)     |
| OEL TWA (mg/m <sup>3</sup> )                                      | 1900 mg/m <sup>3</sup>      |
| OEL TWA (ppm)   | 1000 ppm                    |
| Regulatory reference  | Government Notice. R: 1179  |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) |                             |
| Local name  | Ethanol (Ethyl alcohol)     |
| OEL TWA (mg/m <sup>3</sup> )                                      | 1900 mg/m <sup>3</sup>      |
| OEL TWA (ppm)   | 1000 ppm                    |
| Regulatory reference  | Government Notice No. R 904 |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

# Fresh 24 gel - Nu car

## Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

|                          |  |
|--------------------------|--|
| 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 |

### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

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

|   |                     |
|---|---------------------|
| Physical state                                | : Solid             |
| Appearance                                    | : Solid.            |
| Colour  | : Blue.             |
| Odour   | : characteristic.   |
| Odour threshold                               | : No data available |
| pH  | : No data available |
| pH solution                                   | : No data available |
| Relative evaporation rate (butylacetate=1)    | : No data available |
| Relative evaporation rate (ether=1)           | : No data available |
| Melting point                                 | : No data available |
| Freezing point                                | : Not applicable    |
| Boiling point                                 | : No data available |
| Flash point                                   | : Not applicable    |
| Auto-ignition temperature                     | : Not applicable    |
| Decomposition temperature                     | : No data available |
| Flammability (solid, gas)                     | : Non flammable.    |
| Vapour pressure                               | : No data available |
| Vapour pressure at 50 °C                      | : No data available |
| Relative vapour density at 20 °C              | : No data available |
| Relative density                              | : No data available |
| Relative density of saturated gas/air mixture | : No data available |
| Density                                       | : No data available |
| Relative gas density                          | : No data available |
| Solubility                                    | : No data available |
| Log Pow                                       | : No data available |
| Log Kow                                       | : 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                              | : Not applicable    |
| Lower explosive limit (LEL)                   | : No data available |
| Upper explosive limit (UEL)                   | : 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).

# Fresh 24 gel - Nu car

## Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

### 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

| ethanol (64-17-5)          |   |
|----------------------------|---|
| LD50 oral rat              | 10740 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)            |
| LD50 dermal rabbit         | > 16000 mg/kg (Rabbit, Literature study, Dermal)  |
| LC50 inhalation rat (mg/l) | 117 - 125 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation) |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified.  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified.  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

| ethanol (64-17-5)  |   |
|--------------------|---|
| LC50 fish 1        | 14200 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)                          |
| EC50 72h algae (1) | 275 mg/l (Equivalent or similar to OECD 201, Chlorella vulgaris, Static system, Fresh water, Experimental value, Growth rate) |
| BCF fish 1         | 1 (Other, 72 h, Cyprinus carpio, Static system, Fresh water, Read-across)   |
| Log Pow            | -0.31 (Experimental value)  |

### 12.2. Persistence and degradability

| Fresh 24 gel - Nu car         |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |

| ethanol (64-17-5)               |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.8 - 0.967 g O <sub>2</sub> /g substance                  |
| Chemical oxygen demand (COD)    | 1.7 g O <sub>2</sub> /g substance                          |
| ThOD                            | 2.1 g O <sub>2</sub> /g substance                          |
| BOD (% of ThOD)                 | 0.43   |

### 12.3. Bioaccumulative potential

| Fresh 24 gel - Nu car     |                                     |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |

| ethanol (64-17-5) |                                   |
|-------------------|-----------------------------------|
| BCF fish 1        | See section 12.1 on ecotoxicology |
| Log Pow           | See section 12.1 on ecotoxicology |

# Fresh 24 gel - Nu car

## Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

|                           |                      |
|---------------------------|----------------------|
| <b>ethanol (64-17-5)</b>  |                      |
| Bioaccumulative potential | Not bioaccumulative. |

### 12.4. Mobility in soil

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Fresh 24 gel - Nu car</b> |                                     |
| Mobility in soil             | No additional information available |

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>ethanol (64-17-5)</b> |                                   |
| Surface tension          | 0.022 N/m (20 °C)                 |
| Log Pow                  | See section 12.1 on ecotoxicology |
| Ecology - soil           | Highly mobile in soil.            |

### 12.5. Other adverse effects

|                       |                                       |
|-----------------------|---------------------------------------|
| Ozone                 | : Not classified                      |
| Other adverse effects | : No additional information available |




## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

## SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS   | IMDG  | IATA  |
|--|---|---|
| <b>14.1. UN number</b>   |   |   |
| 3077   | 3077  | 3077  |
| <b>14.2. Proper Shipping Name</b>  |   |   |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                  | Environmentally hazardous substance, solid, n.o.s.  |
| <b>14.3. Transport hazard class(es)</b>  |   |   |
| 9  | 9   | 9   |
|  |  | <br>Not applicable |
| <b>14.4. Packing group</b>   |   |   |
| III  | III   | III   |
| <b>14.5. Environmental hazards</b>   |   |   |
| Dangerous for the environment : No   | Dangerous for the environment : No  | Dangerous for the environment : No  |
| No supplementary information available   |   |   |

### 14.6. Special precautions for user

#### - SANS

|   |                      |
|---|----------------------|
| Special provisions (SANS)   | : 179, 274, 331, 335 |
| Limited quantities (SANS)   | : 5 kg               |
| Limited quantities (SANS)   | : 5 kg               |
| Packagings, large packagings and IBCs                                     | : P002, IBC08, LP02  |
| Packing instructions (SANS)   |                      |
| Packagings, large packagings and IBCs Special packing instructions (SANS) | : PP12, B3           |
| Portable tank and bulk containers instructions (SANS)                     | : T1, BK2            |
| Portable tank and bulk container special provisions (SANS)                | : TP33               |

#### - IMDG

|                                   |                           |
|-----------------------------------|---------------------------|
| Special provisions (IMDG)         | : 274, 335, 966, 967, 969 |
| Limited quantities (IMDG)         | : 5 kg                    |
| Excepted quantities (IMDG)        | : E1                      |
| Packing instructions (IMDG)       | : LP02, P002              |
| Special packing provisions (IMDG) | : PP12                    |

# Fresh 24 gel - Nu car

## Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

|                                 |   |
|---------------------------------|---|
| IBC packing instructions (IMDG) | : IBC08   |
| IBC special provisions (IMDG)   | : B3  |
| Tank instructions (IMDG)        | : BK1, BK2, BK3, T1   |
| Tank special provisions (IMDG)  | : TP33  |
| EmS-No. (Fire)                  | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE                  |
| EmS-No. (Spillage)              | : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS |
| Stowage category (IMDG)         | : A   |

### - IATA

|  |                         |
|--|-------------------------|
| PCA Excepted quantities (IATA)               | : E1                    |
| PCA Limited quantities (IATA)                | : Y956                  |
| PCA limited quantity max net quantity (IATA) | : 30kgG                 |
| PCA packing instructions (IATA)              | : 956                   |
| PCA max net quantity (IATA)                  | : 400kg                 |
| CAO packing instructions (IATA)              | : 956                   |
| CAO max net quantity (IATA)                  | : 400kg                 |
| Special provisions (IATA)                    | : A97, A158, A179, A197 |
| ERG code (IATA)                              | : 9L                    |

### 14.7. 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 national regulations specific for the product

No additional information available

## SECTION 16: Other information

|               |              |
|---------------|--------------|
| Date of issue | : 23/03/2020 |
| Revision date | : 23/03/2022 |

Full text of H-statements:

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapour.                   |
| H227 | Combustible liquid                                    |
| H301 | Toxic if swallowed.                                   |
| H303 | May be harmful if swallowed                           |
| H305 | May be harmful if swallowed and enters airways        |
| H311 | Toxic in contact with skin.                           |
| H313 | May be harmful in contact with skin                   |
| H314 | Causes severe skin burns and eye damage.              |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H319 | Causes serious eye irritation.                        |
| H330 | Fatal if inhaled.                                     |
| H335 | May cause respiratory irritation.                     |
| H351 | Suspected of causing cancer.                          |
| H400 | Very toxic to aquatic life.                           |
| H402 | Harmful to aquatic life                               |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |
| H412 | Harmful to aquatic life with long lasting effects.    |

SDS South Africa

*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.*