

# **Safety Data Sheet**

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

#### 1.1. Product identifier

Meguiar's G1805 Foaming Bug and Tar Remover (Aerosol) (28-93A); G180515

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

#### **Identified uses**

Automotive.

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

Address: Meguiars United Kingdom Limited, 3 Lamport Court, Heartlands, Daventry, Northants, NN11 8UF

Telephone: +44 (0)870 241 6696 E Mail: info@meguiars.co.uk Website: www.meguiars.co.uk

# 1.4. Emergency telephone number

+44 (0)870 241 6696

# **SECTION 2: Hazard identification**

# 2.1. Classification of the substance or mixture CLP REGULATION (EC) No 1272/2008

### **CLASSIFICATION:**

Aerosol, Category 1 - Aerosol 1; H222, H229

For full text of H phrases, see Section 16.

# 2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

DANGER.

## **Symbols:**

GHS02 (Flame) |

### **Pictograms**



### **HAZARD STATEMENTS:**

H222 Extremely flammable aerosol.

H229 Pressurised container, may burst if heated.

### PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.

**Prevention:** 

P210A Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

**Storage:** 

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

Contains 1% of components with unknown hazards to the aquatic environment.

### Notes on labelling

Updated per Regulation (EC) No. 648/2004 on detergents.

Ingredients required per 648/2004: <5%: Anionic surfactant. Contains: Perfumes, Colorants.

### 2.3. Other hazards

None known.

# **SECTION 3: Composition/information on ingredients**

| Ingredient                            | CAS Nbr    | EC No.    | REACH<br>Registration<br>No. | % by Wt      | Classification   |
|---------------------------------------|------------|-----------|------------------------------|--------------|--|
| Non-Hazardous Ingredients             | Mixture    |           |                              | 60 -<br>100  | Substance not classified as hazardous  |
| Isobutane                             | 75-28-5    | 200-857-2 |                              | 1 - 5        | Flam. Gas 1, H220; Liquified gas, H280 - Nota C,U  |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | 270-705-8 |                              | 0.5 -<br>1.5 | Flam. Gas 1, H220; Liquified gas, H280 - Nota K,S,U<br>STOT SE 3, H336                                       |
| 2-Butoxyethanol                       | 111-76-2   | 203-905-0 |                              | 0.1 - 1      | Acute Tox. 4, H332; Acute<br>Tox. 4, H312; Acute Tox. 4,<br>H302; Skin Irrit. 2, H315;<br>Eye Irrit. 2, H319 |
| Sodium nitrite                        | 7632-00-0  | 231-555-9 |                              | < 0.5        | Ox. Sol. 3, H272; Acute Tox. 3, H301; Aquatic Acute 1, H400,M=1  |

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

# **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

#### Inhalation

Remove person to fresh air. Get medical attention.

#### Skin contact

Wash with soap and water. If you feel unwell, get medical attention.

#### Eve contact

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

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

See Section 11.1 Information on toxicological effects

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

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

# **SECTION 5: Fire-fighting measures**

#### 5.1. Extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

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

Closed containers exposed to heat from fire may build pressure and explode.

### **Hazardous Decomposition or By-Products**

Substance
Carbon monoxide.
Carbon dioxide.

### Condition

During combustion.

During combustion.

### 5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

# **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

# 6.3. Methods and material for containment and cleaning up

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

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

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from oxidising agents.

# 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

# **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient CAS Nbr Agency Limit type Additional comments
2-Butoxyethanol 111-76-2 UK HSC TWA:123 mg/m3(25 SKIN ppm);STEL:246 mg/m3(50 ppm)

UK HSC: UK Health and Safety Commission

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit

CEIL: Ceiling

### **Biological limit values**

| Ingredient          | CAS<br>Nbr | Agency             | Determinant        | Biological<br>Specimen | Sampling<br>Time | Value        | Additional comments |
|---------------------|------------|--------------------|--------------------|------------------------|------------------|--------------|---------------------|
| 2-Butoxyethanol     | 111-76-    | UK EH40            | Butoxyacetic       | Creatinine in          | EOS              | 240 mmol/mol | l                   |
| •                   | 2          | BMGVs              | acid               | urine                  |                  |              |                     |
| UK EH40 BMGVs : UK. | EH40 Biolo | gical Monitoring G | uidance Values (BM | (GVs)                  |                  |              |                     |

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EOS: End of shift.

# 8.2. Exposure controls

# 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Indirect vented goggles.

Applicable Norms/Standards

Use eye protection conforming to EN 166

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended:

MaterialThickness (mm)Breakthrough TimeNitrile rubber.No data availableNo data available

Applicable Norms/Standards
Use gloves tested to EN 374

### **Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours

Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136

Use a respirator conforming to EN 140 or EN 136: filter type A

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical stateLiquid.Specific Physical Form:Aerosol

Appearance/Odour Slight characteristic odor, light green, liquid aerosol

**Odour threshold** *No data available.* 

pH 8

**Boiling point/boiling range**Not applicable.

Melting pointNo data available.Flammability (solid, gas)Not applicable.Explosive propertiesNot classifiedOxidising propertiesNot classified

Flash point >= 93.3 °C [Test Method:Pensky-Martens Closed Cup]

Autoignition temperature

Flammable Limits(LEL)

Flammable Limits(UEL)

Vapour pressure

No data available.

No data available.

No data available.

No data available.

**Relative density** 1.0047 [*Ref Std*:WATER=1]

Water solubilityNo data available.Solubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Evaporation rateNo data available.Vapour densityNo data available.Decomposition temperatureNo data available.ViscosityNo data available.

**Density** 1 kg/l

9.2. Other information

EU Volatile Organic Compounds 37 g/l [Details:(calculated per Directive 2004/42/EC)]

Percent volatile 98.9 % weight [Test Method: Estimated]

# **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

#### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Strong acids.

Strong oxidising agents.

### 10.6 Hazardous decomposition products

<u>Substance</u> <u>Condition</u>

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

# **SECTION 11: Toxicological information**

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 11.1 Information on Toxicological effects

# Signs and Symptoms of Exposure

# Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

### Skin contact

Contact with the skin during product use is not expected to result in significant irritation.

#### Eve contact

Sprayed material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Ingestion

No known health effects.

### **Additional Health Effects:**

### Single exposure may cause target organ effects:

Single exposure, above recommended guidelines, may cause:

Cardiac sensitisation: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

### **Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

# **Acute Toxicity**

| Name                                  | Route                              | Species       | Value  |
|---------------------------------------|------------------------------------|---------------|--|
| Overall product                       | Ingestion                          |               | No data available; calculated ATE >5,000 mg/kg |
| Isobutane                             | Inhalation-<br>Gas (4<br>hours)    | Rat           | LC50 276,000 ppm                               |
| Petroleum gases, liquefied, sweetened | Inhalation-<br>Gas (4<br>hours)    | Rat           | LC50 277,000 ppm                               |
| 2-Butoxyethanol                       | Dermal                             | Guinea<br>pig | LD50 > 2,000 mg/kg                             |
| 2-Butoxyethanol                       | Inhalation-<br>Vapour (4<br>hours) | Guinea<br>pig | LC50 > 2.6 mg/l                                |
| 2-Butoxyethanol                       | Ingestion                          | Guinea<br>pig | LD50 1,414 mg/kg                               |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                                  | Species                           | Value                     |
|---------------------------------------|-----------------------------------|---------------------------|
| Isobutane                             | Professio<br>nal<br>judgemen<br>t | No significant irritation |
| Petroleum gases, liquefied, sweetened | Professio<br>nal                  | No significant irritation |

|                 | judgemen<br>t |          |
|-----------------|---------------|----------|
| 2-Butoxyethanol | Rabbit        | Irritant |

**Serious Eye Damage/Irritation** 

| Name                                  | Species                           | Value                     |
|---------------------------------------|-----------------------------------|---------------------------|
| Isobutane                             | Professio<br>nal<br>judgemen<br>t | No significant irritation |
| Petroleum gases, liquefied, sweetened | Professio<br>nal<br>judgemen<br>t | No significant irritation |
| 2-Butoxyethanol                       | Rabbit                            | Severe irritant           |

# **Skin Sensitisation**

| Name            | Species       | Value          |
|-----------------|---------------|----------------|
| 2-Butoxyethanol | Guinea<br>pig | Not classified |

# **Respiratory Sensitisation**

For the component/components, either no data is currently available or the data is not sufficient for classification.

**Germ Cell Mutagenicity** 

| Name                                  | Route    | Value  |
|---------------------------------------|----------|--|
| Isobutane                             | In Vitro | Not mutagenic  |
| Petroleum gases, liquefied, sweetened | In Vitro | Not mutagenic  |
| 2-Butoxyethanol                       | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name            | Route      | Species         | Value  |
|-----------------|------------|-----------------|--|
| 2-Butoxyethanol | Inhalation | Multiple animal | Some positive data exist, but the data are not sufficient for classification |
|                 |            | species         |  |

# **Reproductive Toxicity**

Reproductive and/or Developmental Effects

| Name            | Route      | Value                          | Species                       | Test result                 | Exposure<br>Duration    |
|-----------------|------------|--------------------------------|-------------------------------|-----------------------------|-------------------------|
| 2-Butoxyethanol | Dermal     | Not classified for development | Rat                           | NOAEL<br>1,760<br>mg/kg/day | during<br>gestation     |
| 2-Butoxyethanol | Ingestion  | Not classified for development | Rat                           | NOAEL 100<br>mg/kg/day      | during<br>organogenesis |
| 2-Butoxyethanol | Inhalation | Not classified for development | Multiple<br>animal<br>species | NOAEL 0.48<br>mg/l          | during<br>organogenesis |

# Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

| Name      | Route      | Target Organ(s)       | Value                   | Species                       | Test result            | Exposure<br>Duration |
|-----------|------------|-----------------------|-------------------------|-------------------------------|------------------------|----------------------|
| Isobutane | Inhalation | cardiac sensitisation | Causes damage to organs | Multiple<br>animal<br>species | NOAEL Not<br>available |                      |

| Isobutane                             | Inhalation | central nervous<br>system depression | May cause drowsiness or dizziness  | Human<br>and<br>animal            | NOAEL Not<br>available |                           |
|---------------------------------------|------------|--------------------------------------|--|-----------------------------------|------------------------|---------------------------|
| Isobutane                             | Inhalation | respiratory irritation               | Not classified   | Mouse                             | NOAEL Not available    |                           |
| Petroleum gases, liquefied, sweetened | Inhalation | cardiac sensitisation                | Causes damage to organs  | similar<br>compoun<br>ds          | NOAEL Not<br>available |                           |
| Petroleum gases, liquefied, sweetened | Inhalation | central nervous<br>system depression | May cause drowsiness or dizziness  |                                   | NOAEL Not available    |                           |
| Petroleum gases, liquefied, sweetened | Inhalation | respiratory irritation               | Not classified   |                                   | NOAEL Not available    |                           |
| 2-Butoxyethanol                       | Dermal     | endocrine system                     | Not classified   | Rabbit                            | NOAEL 902<br>mg/kg     | 6 hours                   |
| 2-Butoxyethanol                       | Dermal     | liver                                | Not classified   | Rabbit                            | LOAEL 72<br>mg/kg      | not available             |
| 2-Butoxyethanol                       | Dermal     | kidney and/or<br>bladder             | Not classified   | Rabbit                            | LOAEL 451<br>mg/kg     | 6 hours                   |
| 2-Butoxyethanol                       | Dermal     | blood                                | Not classified   | Multiple<br>animal<br>species     | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                       | Inhalation | central nervous<br>system depression | May cause drowsiness or dizziness  | Human                             | NOAEL Not available    |                           |
| 2-Butoxyethanol                       | Inhalation | respiratory irritation               | Some positive data exist, but the data are not sufficient for classification | Human                             | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                       | Inhalation | blood                                | Not classified   | Multiple<br>animal<br>species     | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                       | Ingestion  | central nervous<br>system depression | May cause drowsiness or dizziness  | Professio<br>nal<br>judgeme<br>nt | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                       | Ingestion  | blood                                | Not classified   | Multiple<br>animal<br>species     | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                       | Ingestion  | kidney and/or<br>bladder             | Not classified   | Human                             | NOAEL Not available    | poisoning<br>and/or abuse |

**Specific Target Organ Toxicity - repeated exposure** 

| Name                                  | Route      | Target Organ(s)          | Value          | Species                       | Test result            | Exposure<br>Duration |
|---------------------------------------|------------|--------------------------|----------------|-------------------------------|------------------------|----------------------|
| Isobutane                             | Inhalation | kidney and/or<br>bladder | Not classified | Rat                           | NOAEL<br>4,500 ppm     | 13 weeks             |
| Petroleum gases, liquefied, sweetened | Inhalation | kidney and/or<br>bladder | Not classified | Rat                           | NOAEL Not<br>available |                      |
| 2-Butoxyethanol                       | Dermal     | blood                    | Not classified | Multiple<br>animal<br>species | NOAEL Not<br>available | not available        |
| 2-Butoxyethanol                       | Dermal     | endocrine system         | Not classified | Rabbit                        | NOAEL 150<br>mg/kg/day | 90 days              |
| 2-Butoxyethanol                       | Inhalation | liver                    | Not classified | Rat                           | NOAEL 2.4<br>mg/l      | 14 weeks             |
| 2-Butoxyethanol                       | Inhalation | kidney and/or<br>bladder | Not classified | Rat                           | NOAEL 0.15<br>mg/l     | 14 weeks             |
| 2-Butoxyethanol                       | Inhalation | blood                    | Not classified | Rat                           | LOAEL 0.15<br>mg/l     | 6 months             |
| 2-Butoxyethanol                       | Inhalation | endocrine system         | Not classified | Dog                           | LOAEL 1.9<br>mg/l      | 8 days               |
| 2-Butoxyethanol                       | Ingestion  | blood                    | Not classified | Rat                           | LOAEL 69<br>mg/kg/day  | 13 weeks             |
| 2-Butoxyethanol                       | Ingestion  | kidney and/or<br>bladder | Not classified | Multiple<br>animal<br>species | NOAEL Not<br>available | not available        |

# **Aspiration Hazard**

\_\_\_\_\_

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

# **SECTION 12: Ecological information**

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 12.1. Toxicity

No product test data available.

| Material                                 | CAS#       | Organism        | Type  | Exposure | Test endpoint               | Test result |
|--|------------|-----------------|---|----------|-----------------------------|-------------|
| Isobutane                                | 75-28-5    |                 | Data not available or insufficient for classification |          |                             |             |
| Petroleum gases,<br>liquefied, sweetened | 68476-86-8 |                 | Data not available or insufficient for classification |          |                             |             |
| 2-Butoxyethanol                          | 111-76-2   | Green Algae     | Experimental  | 72 hours | EC50                        | 1,840 mg/l  |
| 2-Butoxyethanol                          | 111-76-2   | Eastern oyster  | Experimental  | 96 hours | LC50                        | 89.4 mg/l   |
| 2-Butoxyethanol                          | 111-76-2   | Rainbow trout   | Experimental  | 96 hours | LC50                        | 1,474 mg/l  |
| 2-Butoxyethanol                          | 111-76-2   | Water flea      | Experimental  | 48 hours | EC50                        | 1,550 mg/l  |
| 2-Butoxyethanol                          | 111-76-2   | Water flea      | Experimental  | 21 days  | NOEC                        | 100 mg/l    |
| 2-Butoxyethanol                          | 111-76-2   | Green Algae     | Experimental  | 72 hours | Effect<br>Concentration 10% | 679 mg/l    |
| Sodium nitrite                           | 7632-00-0  | Rainbow trout   | Experimental  | 96 hours | LC50                        | 0.9 mg/l    |
| Sodium nitrite                           | 7632-00-0  | Green algae     | Experimental  | 72 hours | EC50                        | >100 mg/l   |
| Sodium nitrite                           | 7632-00-0  | Crustacea other | Experimental  | 48 hours | LC50                        | 37 mg/l     |
| Sodium nitrite                           | 7632-00-0  | Fathead minnow  | Estimated   | 32 days  | NOEC                        | 3.1 mg/l    |

### 12.2. Persistence and degradability

| Material                              | CAS Nbr    | Test type                         | Duration | Study Type                    | Test result          | Protocol                          |
|---------------------------------------|------------|-----------------------------------|----------|-------------------------------|----------------------|-----------------------------------|
| Isobutane                             | 75-28-5    | Experimental<br>Photolysis        |          | Photolytic half-life (in air) | 13.4 days (t<br>1/2) | Other methods                     |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | Data not availbl-<br>insufficient |          |                               | N/A                  |                                   |
| 2-Butoxyethanol                       | 111-76-2   | Experimental Biodegradation       | 28 days  | CO2 evolution                 | 90.4 % weight        | OECD 301B - Modified sturm or CO2 |
| Sodium nitrite                        | 7632-00-0  | Data not availbl-<br>insufficient |          |                               | N/A                  |                                   |

### 12.3 : Bioaccumulative potential

| Material  | Cas No. | Test type        | Duration | Study Type | Test result | Protocol      |
|-----------|---------|------------------|----------|------------|-------------|---------------|
| Isobutane | 75-28-5 | Experimental     |          | Log Kow    | 2.76        | Other methods |
|           |         | Bioconcentration |          | _          |             |               |

| Petroleum gases, liquefied, | 68476-86-8 | Data not available  | N/A | N/A     | N/A  | N/A           |
|-----------------------------|------------|---------------------|-----|---------|------|---------------|
| sweetened                   |            | or insufficient for |     |         |      |               |
|                             |            | classification      |     |         |      |               |
| 2-Butoxyethanol             | 111-76-2   | Experimental        |     | Log Kow | 0.81 | Other methods |
|                             |            | Bioconcentration    |     |         |      |               |
| Sodium nitrite              | 7632-00-0  | Experimental        |     | Log Kow | -3.7 | Other methods |
|                             |            | Bioconcentration    |     |         |      |               |

#### 12.4. Mobility in soil

Please contact manufacturer for more details

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

This material does not contain any substances that are assessed to be a PBT or vPvB

#### 12.6. Other adverse effects

No information available.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

### EU waste code (product as sold)

070601\* Aqueous washing liquids and mother liquors 20 01 29\* Detergents containing dangerous substances

### EU waste code (product container after use)

15 01 04 Metallic packaging

# **SECTION 14: Transportation information**

ADR: UN1950; Aerosols, 2.1; (E). IATA: UN1950; Aerosols, Flammable; 2.1. IMDG: UN1950; Aerosols; 2.1; FD, SU.

# **SECTION 15: Regulatory information**

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

# Carcinogenicity

| <u>Ingredient</u> | <u>CAS Nbr</u> | <u>Classification</u>   | <b>Regulation</b>    |
|-------------------|----------------|-------------------------|----------------------|
| 2-Butoxyethanol   | 111-76-2       | Gr. 3: Not classifiable | International Agency |

for Research on Cancer

#### Global inventory status

Contact manufacturer for more information The components of this product are in compliance with the chemical notification requirements of TSCA.

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

# **SECTION 16: Other information**

#### List of relevant H statements

| H220 | Extremely flammable gas.                            |
|------|---|
| H222 | Extremely flammable aerosol.                        |
| H229 | Pressurised container. may burst if heated.         |
| H272 | May intensify fire; oxidiser.                       |
| H280 | Contains gas under pressure; may explode if heated. |
| H301 | Toxic if swallowed.                                 |
| H302 | Harmful if swallowed.                               |
| H312 | Harmful in contact with skin.                       |
| H315 | Causes skin irritation.                             |
| H319 | Causes serious eye irritation.                      |
| H332 | Harmful if inhaled.                                 |
| H336 | May cause drowsiness or dizziness.                  |
| H400 | Very toxic to aquatic life.                         |
|      |   |

#### **Revision information:**

- Section 1: Product name information was modified.
- Label: CLP Percent Unknown information was added.
- Label: CLP Percent Unknown information was deleted.
- Label: CLP Precautionary General information was added.
- Section 3: Composition/Information of ingredients table information was modified.
- Section 6: Accidental release clean-up information information was modified.
- Section 8: Eye/face protection information information was modified.
- Section 8: glove data value information was added.
- Section 8: Occupational exposure limit table information was modified.
- Section 8: Personal Protection Skin/hand information information was modified.
- Section 8: Respiratory protection recommended respirators information information was modified.
- Section 8: Skin protection recommended gloves text information was added.
- Section 9: Density information information was modified.
- Sections 3 and 9: Odour, colour, grade information information was modified.
- Section 9: pH information information was modified.
- Section 11: Acute Toxicity table information was modified.
- Section 11: Germ Cell Mutagenicity Table information was modified.
- Section 11: Health Effects Ingestion information information was modified.
- Section 11: Health Effects Inhalation information information was modified.
- Section 11: Serious Eye Damage/Irritation Table information was modified.
- Section 11: Single exposure may cause standard phrases information was modified.
- Section 11: Skin Corrosion/Irritation Table information was modified.
- Section 11: Target Organs Repeated Table information was modified.
- Section 11: Target Organs Single Table information was modified.
- Section 12: Component ecotoxicity information information was modified.
- Section 12: No PBT/vPvB information available warning information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12:Bioccumulative potential information information was modified.

Section 13: 13.1. Waste disposal note information was modified.

Section 13: Standard Phrase Category Waste GHS information was modified.

Section 15: Chemical Safety Assessment information was modified.

Section 15: Regulations - Inventories information was modified.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

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