



## Safety Data Sheet

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

G1923 Ultimate Tyre Shine (31-47A): G192315EU

#### 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  
Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319  
Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315  
Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336  
Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

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) |GHS07 (Exclamation mark) |GHS09 (Environment) |

**Pictograms**



**Ingredients:**

| Ingredient                            | CAS Nbr    | EC No.    | % by Wt |
|---------------------------------------|------------|-----------|---------|
| Methyl Acetate                        | 79-20-9    | 201-185-2 | 10 - 30 |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | 270-705-8 | 10 - 30 |

**HAZARD STATEMENTS:**

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                     |
| H229 | Pressurised container. may burst if heated.      |
| H319 | Causes serious eye irritation.                   |
| H315 | Causes skin irritation.                          |
| H336 | May cause drowsiness or dizziness.               |
| H411 | Toxic to aquatic life with long lasting effects. |

**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.

**Disposal:**

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

19% of the mixture consists of components of unknown acute oral toxicity.

Contains 33% of components with unknown hazards to the aquatic environment.

**Notes on labelling**

H304 is not required on the label because the product is an aerosol.  
Nota K applied to CAS# 68476-86-8

**2.3. Other hazards**

None known.

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

| Ingredient                                       | CAS Nbr    | EC No.    | REACH Registration No. | % by Wt   | Classification  |
|--|------------|-----------|------------------------|-----------|---|
| Petroleum gases, liquefied, sweetened            | 68476-86-8 | 270-705-8 |                        | 10 - 30   | Flam. Gas 1, H220; Liquefied gas, H280 - Nota K,S,U<br>STOT SE 3, H336  |
| Siloxanes and silicones, di-Me                   | 63148-62-9 |           |                        | 10 - 30   | Substance not classified as hazardous   |
| Butane   | 106-97-8   | 203-448-7 |                        | 10 - 30   | Flam. Gas 1, H220; Liquefied gas, H280 - Nota C,U   |
| Methyl Acetate                                   | 79-20-9    | 201-185-2 |                        | 10 - 30   | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066   |
| Acetone  | 67-64-1    | 200-662-2 |                        | 7 - 13    | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066   |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | 265-149-8 |                        | 7 - 13    | Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>Flam. Liq. 3, H226; Skin Irrit. 2, H315; STOT SE 3, H336  |
| Propane  | 74-98-6    | 200-827-9 |                        | 5 - 10    | Flam. Gas 1, H220; Liquefied gas, H280 - Nota U   |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics |            | 927-510-4 |                        | 5 - 10    | Aquatic Chronic 2, H411<br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336  |
| Heptane  | 142-82-5   | 205-563-8 |                        | 0.5 - 1.5 | Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 - Nota C                  |
| Toluene  | 108-88-3   | 203-625-9 |                        | < 0.5     | Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Repr. 2, H361d; STOT SE 3, H336; STOT RE 2, H373<br>Aquatic Chronic 3, H412<br>Eye Irrit. 2, H319 |

Note: Any entry in the EC# column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.

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 signs/symptoms develop, get medical attention.

#### **Eye contact**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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.

#### **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. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## **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**

Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. 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 metal 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. Do not handle until all safety precautions have been read and understood. 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.) Use personal protective equipment (eg. gloves, respirators...) as required.

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

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from acids. 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 |
|----------------|----------|--------|---|---------------------|
| Butane         | 106-97-8 | UK HSC | TWA:1450 mg/m <sup>3</sup> (600 ppm);STEL:1810 mg/m <sup>3</sup> (750 ppm)    |                     |
| Toluene        | 108-88-3 | UK HSC | TWA: 191 mg/m <sup>3</sup> (50 ppm);<br>STEL: 384 mg/m <sup>3</sup> (100 ppm) | SKIN                |
| Heptane        | 142-82-5 | UK HSC | TWA:2085 mg/m <sup>3</sup> (500 ppm)  |                     |
| Acetone        | 67-64-1  | UK HSC | TWA:1210 mg/m <sup>3</sup> (500 ppm);STEL:3620 mg/m <sup>3</sup> (1500 ppm)   |                     |
| Propane        | 74-98-6  | UK HSC | Limit value not established:  | asphyxiant          |
| Methyl Acetate | 79-20-9  | UK HSC | TWA:616 mg/m <sup>3</sup> (200 ppm);STEL:770 mg/m <sup>3</sup> (250 ppm)      |                     |

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

#### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Do not remain in area where available oxygen may be reduced. 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:

Full face shield.

Indirect vented goggles.

#### *Applicable Norms/Standards*

Use eye/face 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. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

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

| Material         | Thickness (mm)    | Breakthrough Time |
|------------------|-------------------|-------------------|
| Polymer laminate | No data available | No 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 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

## SECTION 9: Physical and chemical properties

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

|                                    |   |
|------------------------------------|---|
| <b>Physical state</b>              | Liquid.                                     |
| <b>Appearance/Odour</b>            | Slight chemical odor, Clear, Liquid Aerosol |
| <b>Odour threshold</b>             | <i>No data available.</i>                   |
| <b>pH</b>                          | <i>No data available.</i>                   |
| <b>Boiling point/boiling range</b> | <i>No data available.</i>                   |
| <b>Boiling point/boiling range</b> | <i>No data available.</i>                   |
| <b>Melting point</b>               | <i>No data available.</i>                   |
| <b>Flammability (solid, gas)</b>   | Not applicable.                             |
| <b>Explosive properties</b>        | Not classified                              |
| <b>Oxidising properties</b>        | Not classified                              |
| <b>Flash point</b>                 | -17 °C [ <i>Test Method: Estimated</i> ]    |
| <b>Autoignition temperature</b>    | <i>No data available.</i>                   |
| <b>Flammable Limits(LEL)</b>       | <i>No data available.</i>                   |

|   |                           |
|---|---------------------------|
| <b>Flammable Limits(UEL)</b>                  | <i>No data available.</i> |
| <b>Vapour pressure</b>                        | <i>No data available.</i> |
| <b>Relative density</b>                       | 0.873 [Ref Std: WATER=1]  |
| <b>Water solubility</b>                       | <i>No data available.</i> |
| <b>Solubility- non-water</b>                  | <i>No data available.</i> |
| <b>Partition coefficient: n-octanol/water</b> | <i>No data available.</i> |
| <b>Evaporation rate</b>                       | <i>No data available.</i> |
| <b>Vapour density</b>                         | <i>No data available.</i> |
| <b>Decomposition temperature</b>              | <i>No data available.</i> |
| <b>Viscosity</b>                              | 5 mPa-s                   |
| <b>Density</b>                                | 0.9 kg/l                  |

**9.2. Other information**

|                                      |  |
|--------------------------------------|--|
| <b>Average particle size</b>         | <i>No data available.</i>              |
| <b>Bulk density</b>                  | <i>No data available.</i>              |
| <b>EU Volatile Organic Compounds</b> | <i>No data available.</i>              |
| <b>Molecular weight</b>              | <i>No data available.</i>              |
| <b>Percent volatile</b>              | 77.2 % weight [Test Method: Estimated] |
| <b>Softening point</b>               | <i>No data available.</i>              |

\* The values noted with an asterisk (\*) in the above table are representative values based on testing of raw materials and selected products. Additionally, a material's characteristics may change depending upon the process and conditions of use at a facility, including further changes in particle size, or mixture with other materials. In order to obtain specific data for the material, we recommend the user conduct characterisation testing based on the use factors at the specific facility.

**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**

Not determined

**10.5 Incompatible materials**

Strong oxidising agents.  
Strong acids.

**10.6 Hazardous decomposition products**

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known.      |                  |

**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**

Simple asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal. 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**

Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

**Eye contact**

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion**

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

**Additional Health Effects:****Single exposure may cause target organ effects:**

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Cardiac sensitisation: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

**Reproductive/Developmental Toxicity:**

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**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                       | Dermal                      |         | No data available; calculated ATE >5,000 mg/kg |
| Overall product                       | Inhalation-Vapour(4 hr)     |         | No data available; calculated ATE >50 mg/l     |
| Overall product                       | Ingestion                   |         | No data available; calculated ATE >5,000 mg/kg |
| Methyl Acetate                        | Dermal                      | Rat     | LD50 > 2,000 mg/kg                             |
| Methyl Acetate                        | Inhalation-Vapour (4 hours) | Rat     | LC50 > 49 mg/l                                 |
| Methyl Acetate                        | Ingestion                   | Rat     | LD50 > 5,000 mg/kg                             |
| Petroleum gases, liquefied, sweetened | Inhalation-Gas (4 hours)    | Rat     | LC50 277,000 ppm                               |
| Siloxanes and silicones, di-Me        | Dermal                      | Rabbit  | LD50 > 19,400 mg/kg                            |
| Siloxanes and silicones, di-Me        | Ingestion                   | Rat     | LD50 > 17,000 mg/kg                            |
| Butane                                | Inhalation-Gas (4           | Rat     | LC50 277,000 ppm                               |



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|  |                                |        |                     |
|--|--------------------------------|--------|---------------------|
|  | hours)                         |        |                     |
| Acetone  | Dermal                         | Rabbit | LD50 > 15,688 mg/kg |
| Acetone  | Inhalation-Vapour (4 hours)    | Rat    | LC50 76 mg/l        |
| Acetone  | Ingestion                      | Rat    | LD50 5,800 mg/kg    |
| Propane  | Inhalation-Gas (4 hours)       | Rat    | LC50 > 200,000 ppm  |
| Distillates (petroleum), hydrotreated light      | Dermal                         | Rabbit | LD50 > 3,160 mg/kg  |
| Distillates (petroleum), hydrotreated light      | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 3 mg/l       |
| Distillates (petroleum), hydrotreated light      | Ingestion                      | Rat    | LD50 > 5,000 mg/kg  |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Dermal                         | Rabbit | LD50 > 2,920 mg/kg  |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation-Vapour (4 hours)    | Rat    | LC50 > 23.3 mg/l    |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Ingestion                      | Rat    | LD50 > 5,840 mg/kg  |
| Heptane  | Dermal                         | Rabbit | LD50 3,000 mg/kg    |
| Heptane  | Inhalation-Vapour (4 hours)    | Rat    | LC50 103 mg/l       |
| Heptane  | Ingestion                      | Rat    | LD50 > 15,000 mg/kg |
| Toluene  | Dermal                         | Rat    | LD50 12,000 mg/kg   |
| Toluene  | Inhalation-Vapour (4 hours)    | Rat    | LC50 30 mg/l        |
| Toluene  | Ingestion                      | Rat    | LD50 5,550 mg/kg    |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Methyl Acetate                                   | Rabbit                 | No significant irritation |
| Petroleum gases, liquefied, sweetened            | Professional judgement | No significant irritation |
| Siloxanes and silicones, di-Me                   | Rabbit                 | No significant irritation |
| Butane   | Professional judgement | No significant irritation |
| Acetone  | Mouse                  | Minimal irritation        |
| Propane  | Rabbit                 | Minimal irritation        |
| Distillates (petroleum), hydrotreated light      | Rabbit                 | Mild irritant             |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Rabbit                 | Irritant                  |
| Heptane  | Human                  | Mild irritant             |
| Toluene  | Rabbit                 | Irritant                  |

**Serious Eye Damage/Irritation**

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Methyl Acetate                                   | Rabbit                 | Moderate irritant         |
| Petroleum gases, liquefied, sweetened            | Professional judgement | No significant irritation |
| Siloxanes and silicones, di-Me                   | Rabbit                 | No significant irritation |
| Butane   | Rabbit                 | No significant irritation |
| Acetone  | Rabbit                 | Severe irritant           |
| Propane  | Rabbit                 | Mild irritant             |
| Distillates (petroleum), hydrotreated light      | Rabbit                 | Mild irritant             |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Rabbit                 | Mild irritant             |

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|         |                        |                   |
|---------|------------------------|-------------------|
| Heptane | Professional judgement | Moderate irritant |
| Toluene | Rabbit                 | Moderate irritant |

**Skin Sensitisation**

| Name   | Species    | Value          |
|--|------------|----------------|
| Methyl Acetate                                   | Human      | Not classified |
| Distillates (petroleum), hydrotreated light      | Guinea pig | Not classified |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Guinea pig | Not classified |
| Toluene  | Guinea 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  |
|--|----------|--|
| Methyl Acetate                                   | In Vitro | Not mutagenic  |
| Methyl Acetate                                   | In vivo  | Not mutagenic  |
| Petroleum gases, liquefied, sweetened            | In Vitro | Not mutagenic  |
| Butane   | In Vitro | Not mutagenic  |
| Acetone  | In vivo  | Not mutagenic  |
| Acetone  | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Propane  | In Vitro | Not mutagenic  |
| Distillates (petroleum), hydrotreated light      | In Vitro | Not mutagenic  |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | In Vitro | Not mutagenic  |
| Heptane  | In Vitro | Not mutagenic  |
| Toluene  | In Vitro | Not mutagenic  |
| Toluene  | In vivo  | Not mutagenic  |

**Carcinogenicity**

| Name  | Route          | Species                 | Value  |
|---|----------------|-------------------------|--|
| Acetone                                     | Not specified. | Multiple animal species | Not carcinogenic   |
| Distillates (petroleum), hydrotreated light | Dermal         | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Toluene                                     | Dermal         | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Toluene                                     | Ingestion      | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Toluene                                     | Inhalation     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

| Name   | Route          | Value                                  | Species | Test result           | Exposure Duration    |
|--|----------------|--|---------|-----------------------|----------------------|
| Acetone  | Ingestion      | Not classified for male reproduction   | Rat     | NOAEL 1,700 mg/kg/day | 13 weeks             |
| Acetone  | Inhalation     | Not classified for development         | Rat     | NOAEL 5.2 mg/l        | during organogenesis |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Not specified. | Not classified for female reproduction | Rat     | NOAEL Not available   | 2 generation         |

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|  |                |  |       |                     |                        |
|--|----------------|--|-------|---------------------|------------------------|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Not specified. | Not classified for male reproduction   | Rat   | NOAEL Not available | 2 generation           |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Not specified. | Not classified for development         | Rat   | NOAEL Not available | 2 generation           |
| Toluene  | Inhalation     | Not classified for female reproduction | Human | NOAEL Not available | occupational exposure  |
| Toluene  | Inhalation     | Not classified for male reproduction   | Rat   | NOAEL 2.3 mg/l      | 1 generation           |
| Toluene  | Ingestion      | Toxic to development                   | Rat   | LOAEL 520 mg/kg/day | during gestation       |
| Toluene  | Inhalation     | Toxic to development                   | Human | NOAEL Not available | poisoning and/or abuse |

**Target Organ(s)**
**Specific Target Organ Toxicity - single exposure**

| Name  | Route      | Target Organ(s)                   | Value  | Species           | Test result         | Exposure Duration      |
|---|------------|-----------------------------------|--|-------------------|---------------------|------------------------|
| Methyl Acetate                              | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal  | NOAEL Not available |                        |
| Methyl Acetate                              | Inhalation | respiratory irritation            | May cause respiratory irritation   | Human and animal  | NOAEL Not available |                        |
| Methyl Acetate                              | Inhalation | blindness                         | Not classified   |                   | NOAEL Not available |                        |
| Methyl Acetate                              | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  |                   | NOAEL Not available |                        |
| Petroleum gases, liquefied, sweetened       | Inhalation | cardiac sensitisation             | Causes damage to organs  | similar compounds | NOAEL Not available |                        |
| Petroleum gases, liquefied, sweetened       | Inhalation | central nervous system depression | May cause drowsiness or dizziness  |                   | NOAEL Not available |                        |
| Petroleum gases, liquefied, sweetened       | Inhalation | respiratory irritation            | Not classified   |                   | NOAEL Not available |                        |
| Butane                                      | Inhalation | cardiac sensitisation             | Causes damage to organs  | Human             | NOAEL Not available |                        |
| Butane                                      | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal  | NOAEL Not available |                        |
| Butane                                      | Inhalation | heart                             | Not classified   | Dog               | NOAEL 5,000 ppm     | 25 minutes             |
| Butane                                      | Inhalation | respiratory irritation            | Not classified   | Rabbit            | NOAEL Not available |                        |
| Acetone                                     | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human             | NOAEL Not available |                        |
| Acetone                                     | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human             | NOAEL Not available |                        |
| Acetone                                     | Inhalation | immune system                     | Not classified   | Human             | NOAEL 1.19 mg/l     | 6 hours                |
| Acetone                                     | Inhalation | liver                             | Not classified   | Guinea pig        | NOAEL Not available |                        |
| Acetone                                     | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human             | NOAEL Not available | poisoning and/or abuse |
| Propane                                     | Inhalation | cardiac sensitisation             | Causes damage to organs  | Human             | NOAEL Not available |                        |
| Propane                                     | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human             | NOAEL Not available |                        |
| Propane                                     | Inhalation | respiratory irritation            | Not classified   | Human             | NOAEL Not available |                        |
| Distillates (petroleum), hydrotreated light | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal  | NOAEL Not available |                        |
| Distillates (petroleum), hydrotreated light | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for                |                   | NOAEL Not available |                        |

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|  |            |                                   | classification   |                        |                     |                        |
|--|------------|-----------------------------------|--|------------------------|---------------------|------------------------|
| Distillates (petroleum), hydrotreated light      | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Professional judgement | NOAEL Not available |                        |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal       | NOAEL Not available |                        |
| Heptane  | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available |                        |
| Heptane  | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| Heptane  | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available |                        |
| Toluene  | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available |                        |
| Toluene  | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| Toluene  | Inhalation | immune system                     | Not classified   | Mouse                  | NOAEL 0.004 mg/l    | 3 hours                |
| Toluene  | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available | poisoning and/or abuse |

**Specific Target Organ Toxicity - repeated exposure**

| Name                                  | Route      | Target Organ(s)   | Value  | Species    | Test result           | Exposure Duration |
|---------------------------------------|------------|---|--|------------|-----------------------|-------------------|
| Methyl Acetate                        | Inhalation | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Rat        | NOAEL 1.1 mg/l        | 28 days           |
| Methyl Acetate                        | Inhalation | endocrine system   hematopoietic system   liver   immune system   kidney and/or bladder | Not classified   | Rat        | NOAEL 6.1 mg/l        | 28 days           |
| Petroleum gases, liquefied, sweetened | Inhalation | kidney and/or bladder   | Not classified   | Rat        | NOAEL Not available   |                   |
| Butane                                | Inhalation | kidney and/or bladder   blood   | Not classified   | Rat        | NOAEL 4,489 ppm       | 90 days           |
| Acetone                               | Dermal     | eyes  | Not classified   | Guinea pig | NOAEL Not available   | 3 weeks           |
| Acetone                               | Inhalation | hematopoietic system  | Not classified   | Human      | NOAEL 3 mg/l          | 6 weeks           |
| Acetone                               | Inhalation | immune system   | Not classified   | Human      | NOAEL 1.19 mg/l       | 6 days            |
| Acetone                               | Inhalation | kidney and/or bladder   | Not classified   | Guinea pig | NOAEL 119 mg/l        | not available     |
| Acetone                               | Inhalation | heart   liver   | Not classified   | Rat        | NOAEL 45 mg/l         | 8 weeks           |
| Acetone                               | Ingestion  | kidney and/or bladder   | Not classified   | Rat        | NOAEL 900 mg/kg/day   | 13 weeks          |
| Acetone                               | Ingestion  | heart   | Not classified   | Rat        | NOAEL 2,500 mg/kg/day | 13 weeks          |
| Acetone                               | Ingestion  | hematopoietic system  | Not classified   | Rat        | NOAEL 200 mg/kg/day   | 13 weeks          |
| Acetone                               | Ingestion  | liver   | Not classified   | Mouse      | NOAEL 3,896 mg/kg/day | 14 days           |
| Acetone                               | Ingestion  | eyes  | Not classified   | Rat        | NOAEL 3,400 mg/kg/day | 13 weeks          |
| Acetone                               | Ingestion  | respiratory system  | Not classified   | Rat        | NOAEL 2,500 mg/kg/day | 13 weeks          |

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|         |            |   |  |                               |                              |                           |
|---------|------------|---|--|-------------------------------|------------------------------|---------------------------|
| Acetone | Ingestion  | muscles   | Not classified   | Rat                           | NOAEL<br>2,500 mg/kg         | 13 weeks                  |
| Acetone | Ingestion  | skin   bone, teeth,<br>nails, and/or hair                           | Not classified   | Mouse                         | NOAEL<br>11,298<br>mg/kg/day | 13 weeks                  |
| Heptane | Inhalation | liver   nervous<br>system   kidney<br>and/or bladder                | Not classified   | Rat                           | NOAEL 12<br>mg/l             | 26 weeks                  |
| Toluene | Inhalation | auditory system  <br>nervous system  <br>eyes   olfactory<br>system | Causes damage to organs through<br>prolonged or repeated exposure                  | Human                         | NOAEL Not<br>available       | poisoning<br>and/or abuse |
| Toluene | Inhalation | respiratory system  | Some positive data exist, but the<br>data are not sufficient for<br>classification | Rat                           | LOAEL 2.3<br>mg/l            | 15 months                 |
| Toluene | Inhalation | heart   liver   kidney<br>and/or bladder                            | Not classified   | Rat                           | NOAEL 11.3<br>mg/l           | 15 weeks                  |
| Toluene | Inhalation | endocrine system  | Not classified   | Rat                           | NOAEL 1.1<br>mg/l            | 4 weeks                   |
| Toluene | Inhalation | immune system   | Not classified   | Mouse                         | NOAEL Not<br>available       | 20 days                   |
| Toluene | Inhalation | bone, teeth, nails,<br>and/or hair                                  | Not classified   | Mouse                         | NOAEL 1.1<br>mg/l            | 8 weeks                   |
| Toluene | Inhalation | hematopoietic<br>system   vascular<br>system                        | Not classified   | Human                         | NOAEL Not<br>available       | occupational<br>exposure  |
| Toluene | Inhalation | gastrointestinal tract  | Not classified   | Multiple<br>animal<br>species | NOAEL 11.3<br>mg/l           | 15 weeks                  |
| Toluene | Ingestion  | nervous system  | Some positive data exist, but the<br>data are not sufficient for<br>classification | Rat                           | NOAEL 625<br>mg/kg/day       | 13 weeks                  |
| Toluene | Ingestion  | heart   | Not classified   | Rat                           | NOAEL<br>2,500<br>mg/kg/day  | 13 weeks                  |
| Toluene | Ingestion  | liver   kidney and/or<br>bladder                                    | Not classified   | Multiple<br>animal<br>species | NOAEL<br>2,500<br>mg/kg/day  | 13 weeks                  |
| Toluene | Ingestion  | hematopoietic<br>system   | Not classified   | Mouse                         | NOAEL 600<br>mg/kg/day       | 14 days                   |
| Toluene | Ingestion  | endocrine system  | Not classified   | Mouse                         | NOAEL 105<br>mg/kg/day       | 28 days                   |
| Toluene | Ingestion  | immune system   | Not classified   | Mouse                         | NOAEL 105<br>mg/kg/day       | 4 weeks                   |

**Aspiration Hazard**

| Name   | Value             |
|--|-------------------|
| Distillates (petroleum), hydrotreated light      | Aspiration hazard |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Aspiration hazard |
| Heptane  | Aspiration hazard |
| Toluene  | Aspiration hazard |

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**

**G1923 Ultimate Tyre Shine (31-47A): G192315EU**

No product test data available.

| Material   | CAS #      | Organism        | Type  | Exposure | Test endpoint       | Test result  |
|--|------------|-----------------|---|----------|---------------------|--------------|
| Butane   | 106-97-8   |                 | Data not available or insufficient for classification |          |                     |              |
| Methyl Acetate                                   | 79-20-9    | Green algae     | Experimental  | 72 hours | EC50                | >120 mg/l    |
| Methyl Acetate                                   | 79-20-9    | Water flea      | Experimental  | 48 hours | EC50                | 1,026.7 mg/l |
| Methyl Acetate                                   | 79-20-9    | Green algae     | Experimental  | 72 hours | NOEC                | 120 mg/l     |
| Petroleum gases, liquefied, sweetened            | 68476-86-8 |                 | Data not available or insufficient for classification |          |                     |              |
| Siloxanes and silicones, di-Me                   | 63148-62-9 |                 | Data not available or insufficient for classification |          |                     |              |
| Acetone  | 67-64-1    | Algae other     | Experimental  | 96 hours | EC50                | 11,493 mg/l  |
| Acetone  | 67-64-1    | Crustacea other | Experimental  | 24 hours | LC50                | 2,100 mg/l   |
| Acetone  | 67-64-1    | Rainbow trout   | Experimental  | 96 hours | LC50                | 5,540 mg/l   |
| Acetone  | 67-64-1    | Water flea      | Experimental  | 21 days  | NOEC                | 1,000 mg/l   |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Green Algae     | Estimated   | 72 hours | EC50                | 1 mg/l       |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Rainbow trout   | Estimated   | 96 hours | Lethal Level 50%    | 2 mg/l       |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Water flea      | Estimated   | 48 hours | Effect Level 50%    | 1.4 mg/l     |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Green Algae     | Estimated   | 72 hours | No obs Effect Level | 1 mg/l       |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Water flea      | Estimated   | 21 days  | No obs Effect Level | 0.48 mg/l    |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4  |                 | Data not available or insufficient for classification |          |                     |              |
| Propane  | 74-98-6    |                 | Data not available or insufficient for classification |          |                     |              |
| Heptane  | 142-82-5   | Water flea      | Experimental  | 48 hours | EC50                | 1.5 mg/l     |
| Heptane  | 142-82-5   | Water flea      | Estimated   | 21 days  | NOEC                | 0.17 mg/l    |
| Toluene  | 108-88-3   | Coho Salmon     | Experimental  | 96 hours | LC50                | 5.5 mg/l     |
| Toluene  | 108-88-3   | Fish other      | Experimental  | 96 hours | LC50                | 6.41 mg/l    |
| Toluene  | 108-88-3   | Green Algae     | Experimental  | 72 hours | EC50                | 12.5 mg/l    |
| Toluene  | 108-88-3   | Water flea      | Experimental  | 48 hours | EC50                | 3.78 mg/l    |
| Toluene  | 108-88-3   | Coho salmon     | Experimental  | 40 days  | NOEC                | 1.39 mg/l    |
| Toluene  | 108-88-3   | Water flea      | Experimental  | 7 days   | NOEC                | 0.74 mg/l    |

**12.2. Persistence and degradability**

| Material       | CAS Nbr  | Test type                   | Duration | Study Type                    | Test result       | Protocol                       |
|----------------|----------|-----------------------------|----------|-------------------------------|-------------------|--------------------------------|
| Butane         | 106-97-8 | Experimental Photolysis     |          | Photolytic half-life (in air) | 12.3 days (t 1/2) | Other methods                  |
| Methyl Acetate | 79-20-9  | Experimental Biodegradation | 28 days  | BOD                           | 70 % weight       | OECD 301D - Closed bottle test |

**G1923 Ultimate Tyre Shine (31-47A): G192315EU**

|  |            |                                    |         |                               |                   |                                     |
|--|------------|------------------------------------|---------|-------------------------------|-------------------|-------------------------------------|
| Petroleum gases, liquefied, sweetened            | 68476-86-8 | Data not available or insufficient |         |                               | N/A               |                                     |
| Siloxanes and silicones, di-Me                   | 63148-62-9 | Data not available or insufficient |         |                               | N/A               |                                     |
| Acetone  | 67-64-1    | Experimental Photolysis            |         | Photolytic half-life (in air) | 147 days (t 1/2)  | Other methods                       |
| Acetone  | 67-64-1    | Experimental Biodegradation        | 28 days | BOD                           | 78 % weight       | OECD 301D - Closed bottle test      |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Data not available or insufficient |         |                               | N/A               |                                     |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4  | Estimated Biodegradation           | 28 days | BOD                           | 98 % BOD/ThBOD    | OECD 301F - Manometric respirometry |
| Propane  | 74-98-6    | Experimental Photolysis            |         | Photolytic half-life (in air) | 27.5 days (t 1/2) | Other methods                       |
| Heptane  | 142-82-5   | Experimental Photolysis            |         | Photolytic half-life (in air) | 4.24 days (t 1/2) | Other methods                       |
| Heptane  | 142-82-5   | Experimental Biodegradation        | 28 days | BOD                           | 101 % BOD/ThBOD   | OECD 301C - MITI test (I)           |
| Toluene  | 108-88-3   | Experimental Photolysis            |         | Photolytic half-life (in air) | 5.2 days (t 1/2)  | Other methods                       |
| Toluene  | 108-88-3   | Experimental Biodegradation        | 20 days | BOD                           | 80 % weight       |                                     |

**12.3 : Bioaccumulative potential**

| Material   | Cas No.    | Test type   | Duration | Study Type             | Test result | Protocol                           |
|--|------------|---|----------|------------------------|-------------|------------------------------------|
| Butane   | 106-97-8   | Experimental Bioconcentration                         |          | Log Kow                | 2.89        | Other methods                      |
| Methyl Acetate                                   | 79-20-9    | Experimental Bioconcentration                         |          | Log Kow                | 0.18        | Other methods                      |
| Petroleum gases, liquefied, sweetened            | 68476-86-8 | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| Siloxanes and silicones, di-Me                   | 63148-62-9 | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| Acetone  | 67-64-1    | Experimental Bioconcentration                         |          | Log Kow                | -0.24       | Other methods                      |
| Distillates (petroleum), hydrotreated light      | 64742-47-8 | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| Propane  | 74-98-6    | Experimental Bioconcentration                         |          | Log Kow                | 2.36        | Other methods                      |
| Heptane  | 142-82-5   | Estimated Bioconcentration                            |          | Bioaccumulation factor | 105         | Estimated: Bioconcentration factor |
| Toluene  | 108-88-3   | Experimental Bioconcentration                         |          | Log Kow                | 2.73        | Other methods                      |

**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**

| Material | CAS Nbr | Ozone Depletion Potential | Global Warming Potential |
|----------|---------|---------------------------|--------------------------|
| acetone  | 67-64-1 | 0                         |                          |

## 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)

16 05 04\* Gases in pressure containers (including halons) 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); 5F.

IATA: UN1950; Aerosols, Flammable; 2.1.

IMDG: UN1950; Aerosols, flammable; 2.1; EMS: FD, SU.

## SECTION 15: Regulatory information

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

#### Carcinogenicity

##### Ingredient

Toluene

##### CAS Nbr

108-88-3

##### Classification

Gr. 3: Not classifiable

##### Regulation

International Agency for Research on Cancer

#### Global inventory status

Contact manufacturer for more information

### 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

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H220   | Extremely flammable gas.                              |
| H222   | Extremely flammable aerosol.                          |
| H225   | Highly flammable liquid and vapour.                   |
| H226   | Flammable liquid and vapour.                          |



|       |  |
|-------|--|
| H229  | Pressurised container. may burst if heated.                        |
| H280  | Contains gas under pressure; may explode if heated.                |
| H304  | May be fatal if swallowed and enters airways.                      |
| H315  | Causes skin irritation.  |
| H319  | Causes serious eye irritation.                                     |
| H336  | May cause drowsiness or dizziness.                                 |
| H361d | Suspected of damaging the unborn child.                            |
| H373  | May cause damage to organs through prolonged or repeated exposure. |
| H400  | Very toxic 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.                 |

**Revision information:**

No revision information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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