

# Safety Data Sheet

in accordance with HSNO

Printing date 23.03.2023

Revised On: 23.03.2023

## 1 Identification of the substance or mixture and of the supplier

|   |   |
|---|---|
| <b>Trade name:</b>                                | <b>BLACK</b>  |
| <b>Article number:</b>                            | 0000161203  |
| <b>Product category</b>                           | PC9a Paints and coatings.   |
| <b>Process category</b>                           | PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions                            |
| <b>Application of the substance / the mixture</b> | Painting and coating.   |
| <b>Uses advised against</b>                       | Any that differs from the recommended use.  |
| <b>Manufacturer/Supplier:</b>                     | Import Distribution t/a Formula<br>60B Cryers Road<br>East Tamaki, Auckland 2013<br>New Zealand<br>telephone: 09 273 3600<br>website: www.formula.co.nz<br>email: sales@formula.co.nz |
| <b>Emergency telephone number:</b>                | NZ Poison Centre<br>telephone: 0800 764 766   |

## 2 Hazards identification

### Classification of the substance or mixture

|                   |           |  |
|-------------------|-----------|--|
| Aerosol 1         | H222-H229 | Extremely flammable aerosol. Pressurized container: may burst if heated. |
| Skin Irrit. 2     | H315      | Causes skin irritation.  |
| Eye Irrit. 2      | H319      | Causes serious eye irritation.   |
| Repr. 1           | H360      | May damage fertility or the unborn child.                                |
| STOT SE 3         | H336      | May cause drowsiness or dizziness.                                       |
| STOT RE 2         | H373      | May cause damage to organs through prolonged or repeated exposure.       |
| Aquatic Chronic 3 | H412      | Harmful to aquatic life with long lasting effects.                       |

### Additional information:

#### Hazard pictograms



GHS02 GHS07 GHS08

#### Signal word

Danger

#### Hazard-determining components of labelling:

#### Hazard statements

Toluene

Extremely flammable aerosol. Pressurized container: may burst if heated.  
Causes skin irritation.  
Causes serious eye irritation.  
May damage fertility or the unborn child.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

#### Precautionary statements

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read carefully and follow all instructions.  
Obtain special instructions before use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear eye protection / face protection.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER/doctor if you feel unwell.  
Specific treatment (see on this label).  
Take off contaminated clothing and wash it before reuse.  
If eye irritation persists: Get medical advice/attention.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/Information on ingredients

### Chemical characterisation: Mixtures

#### Description:

Classification according to HSNO Act 1996---2.1.2A Flammable Aerosols  
Mixture of substances listed below with nonhazardous additions.

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**Dangerous components:**

|                                      |   |          |
|--------------------------------------|---|----------|
| CAS: 108-88-3<br>EINECS: 203-625-9   | Toluene<br>Flam. Liq. 2, H225; Repr. 1, H360; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H336                           | 25-50%   |
| CAS: 74-98-6<br>EINECS: 200-827-9    | propane<br>Flam. Gas 1A, H220   | 15-25%   |
| CAS: 67-64-1<br>EINECS: 200-662-2    | Acetone<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336<br>Specific concentration limit: STOT SE 3; H336: C ≥ 10 % | 15-25%   |
| CAS: 106-97-8                        | n-butane<br>Flam. Gas 1A, H220  | 10-15%   |
| CAS: 7727-43-7<br>EINECS: 231-784-4  | barium sulfate  | 5-10%    |
| CAS: 64742-89-8<br>EINECS: 265-192-2 | VM&P Naphtha<br>Flam. Liq. 2, H225  | 1-5%     |
| CAS: 1330-20-7<br>EINECS: 215-535-7  | xylene (mix)<br>Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315                               | 1-5%     |
| CAS: 7779-90-0<br>EINECS: 231-944-3  | zinc phosphate<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410  | ≥1-<2.5% |

**4 First aid measures**

|   |  |
|---|--|
| <b>After inhalation:</b>  | Supply fresh air; consult doctor in case of complaints.                          |
| <b>After skin contact:</b>  | Generally the product does not irritate the skin.                                |
| <b>After eye contact:</b>   | Rinse opened eye for several minutes under running water. Then consult a doctor. |
| <b>After swallowing:</b>  | Do not induce vomiting; call for medical help immediately.                       |
| <b>Information for doctor:</b>  |  |
| <b>Most important symptoms and effects, both acute and delayed</b>                | Dizziness  |
| <b>Indication of any immediate medical attention and special treatment needed</b> | No further relevant information available.                                       |

**5 Fire fighting measures**

|  |  |
|--|--|
| <b>Extinguishing agents:</b>                                 | CO2, powder or water spray. Fight larger fires with water spray. |
| <b>Unsuitable extinguishing agents:</b>                      | Water  |
| <b>Special hazards arising from the substance or mixture</b> | Can form explosive gas-air mixtures.                             |
| <b>Protective equipment:</b>                                 | Mount respiratory protective device.                             |
| <b>Additional information</b>                                | Cool endangered receptacles with water spray.                    |

**6 Accidental release measures**

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Use respiratory protective device against the effects of fumes/dust/aerosol. |
| <b>Environmental precautions:</b>  | Do not allow product to reach sewage system or any water course.             |
| <b>Methods and material for containment and cleaning up:</b>               | Dispose contaminated material as waste according to item 13.                 |

**7 Handling and storage**

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Use only in well ventilated areas.  |
| <b>Fire/explosion protection:</b>                                   | Keep respiratory protective device available.<br>Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.<br>Do not spray onto a naked flame or any incandescent material. |
| <b>Conditions for safe storage, including any incompatibilities</b> |   |
| <b>Requirements to be met by storerooms and receptacles:</b>        | Suitable material for receptacles and pipes: steel or stainless steel.  |
| <b>Information about storage in one common storage facility:</b>    | Not available.  |
| <b>Specific end use(s)</b>  | No further relevant information available.  |

**8 Exposure controls/personal protection****Ingredients with limit values that require monitoring at the workplace:****108-88-3 Toluene**

|     |   |
|-----|---|
| WES | Short-term value: 377 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 75 mg/m <sup>3</sup> , 20 ppm<br>skin, oto, bio |
|-----|---|

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**74-98-6 propane**

WES Simple asphyxiant; may present an explosion hazard

**67-64-1 Acetone**WES Short-term value: 2375 mg/m<sup>3</sup>, 1000 ppm  
Long-term value: 1185 mg/m<sup>3</sup>, 500 ppm  
bio**106-97-8 n-butane**WES Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm**7727-43-7 barium sulfate**WES Long-term value: 10 mg/m<sup>3</sup>**1330-20-7 xylene (mix)**WES Long-term value: 217 mg/m<sup>3</sup>, 50 ppm  
oto**Exposure controls****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**

Protective gloves  
Neoprene gloves  
The glove material has to be impermeable and resistant to the product.  
Tightly sealed goggles

**Eye protection:****9 Physical and chemical properties**

**Appearance:** Aerosol.  
**Form:** Not determined.  
**Odour:** Aromatic  
**Odour threshold:** Not determined.  
**pH-value:** Not determined.  
**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** -44.5 °C (-48.1 °F)  
**Flash point:** -19 °C (-2.2 °F)  
**Flammability (solid, gas):**  
**Ignition temperature:** 470 °C (878 °F)  
**Decomposition temperature:** Not determined.  
**Auto-ignition temperature:** Product is not selfigniting.  
**Explosive properties:** In use, may form flammable/explosive vapour-air mixture.  
**Lower:** 1.7 Vol %  
**Upper:** 10.9 Vol %  
**Vapour pressure:** Not determined.  
**Density at 20 °C (68 °F):** 0.8 g/cm<sup>3</sup> (6.7 lbs/gal)  
**Relative density** Not determined.  
**Vapour density** Not determined.  
**Evaporation rate** Not applicable.  
**Solubility:** Fully miscible.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Viscosity:** Not determined.  
**Dynamic:** Not determined.  
**Kinematic:** Not determined.  
**Water:** 0.0 %  
**Other information** No further relevant information available.

**10 Stability and reactivity**

**Thermal decomposition / conditions to be avoided:** Stable at environment temperature.  
**Possibility of hazardous reactions** No dangerous reactions known.  
**Conditions to avoid** No further relevant information available.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

**Acute toxicity---** Based on available data, the classification criteria are not met.

### LD/LC50 values relevant for classification:

#### 1330-20-7 xylene (mix)

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 8,700 mg/kg (rat) |
| Dermal     | LD50     | 2,000 mg/kg (rbt) |
| Inhalative | LC50/4 h | 6,350 mg/l (rat)  |

#### 7779-90-0 zinc phosphate

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
|------|------|--------------------|

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Causes skin irritation.  |
| <b>Serious eye damage/irritation</b>     | Causes serious eye irritation.                                     |
| <b>Respiratory or skin sensitisation</b> | Based on available data, the classification criteria are not met.  |
| <b>Germ cell mutagenicity</b>            | Based on available data, the classification criteria are not met.  |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met.  |
| <b>Reproductive toxicity</b>             | May damage fertility or the unborn child.                          |
| <b>STOT-single exposure</b>              | May cause drowsiness or dizziness.                                 |
| <b>STOT-repeated exposure</b>            | May cause damage to organs through prolonged or repeated exposure. |
| <b>Aspiration hazard</b>                 | Based on available data, the classification criteria are not met.  |

## 12 Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Aquatic toxicity:</b>             | No further relevant information available.   |
| <b>Persistence and degradability</b> | The product is biodegradable after prolonged adaptation.   |
| <b>Bioaccumulative potential</b>     | No further relevant information available.   |
| <b>Mobility in soil</b>              | No further relevant information available.   |
| <b>General notes:</b>                | Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water<br>Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. |

## 13 Disposal considerations

|                                      |  |
|--------------------------------------|--|
| <b>Uncleaned packaging:</b>          |  |
| <b>Recommendation:</b>               | Disposal must be made according to official regulations. |
| <b>Recommended cleansing agents:</b> | Water, if necessary together with cleansing agents.      |

## 14 Transport information

|   |  |
|---|--|
| <b>UN-Number</b>  | UN1950   |
| <b>NZS, IMDG, IATA</b>  | UN1950   |
| <b>UN proper shipping name</b>  |  |
| <b>NZS</b>  | 1950 AEROSOLS  |
| <b>IMDG</b>   | AEROSOLS   |
| <b>IATA</b>   | AEROSOLS, flammable  |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>  | 2 5F Gases.  |
| <b>Label</b>  | 2.1  |
| <b>IMDG, IATA</b>   |  |
| <b>Class</b>  | 2.1 Gases.   |
| <b>Label</b>  | 2.1  |
| <b>Packing group</b>  |  |
| <b>NZS, IMDG, IATA</b>  | Void   |
| <b>Environmental hazards:</b>   | Not applicable.  |
| <b>Special precautions for user</b>                                       | Warning: Gases.  |
| <b>Hazard identification number (Kemler code):</b>                        | -  |
| <b>EMS Number:</b>  | F-D,S-U  |
| <b>Stowage Code</b>   | SW1 Protected from sources of heat.<br>SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A.<br>For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.<br>SG69 For AEROSOLS with a maximum capacity of 1 litre:<br>Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre:<br>Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS:<br>Segregation as for the appropriate subdivision of class 2. |
| <b>Segregation Code</b>   |  |
| <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.  |

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**Transport/Additional information:****NZS**

Limited quantities (LQ)  
 Excepted quantities (EQ)

1L  
 Code: E0  
 Not permitted as Excepted Quantity

Transport category  
 Tunnel restriction code

2  
 D

**IMDG**

Limited quantities (LQ)  
 Excepted quantities (EQ)

1L  
 Code: E0  
 Not permitted as Excepted Quantity  
 UN 1950 AEROSOLS, 2.1

**UN "Model Regulation":****15 Regulatory information****New Zealand Inventory of Chemicals**

|            |   |
|------------|---|
| 108-88-3   | Toluene                                   |
| 74-98-6    | propane                                   |
| 67-64-1    | Acetone                                   |
| 7727-43-7  | barium sulfate                            |
| 68186-94-7 | Iron Manganese Oxide Black                |
| 64742-89-8 | VM&P Naphtha                              |
| 28262-63-7 | Acrylic Resin                             |
| 1330-20-7  | xylene (mix)                              |
| 7779-90-0  | zinc phosphate                            |
| 108-65-6   | PM acetate                                |
| 78-83-1    | butanol                                   |
| 100-41-4   | ethyl benzene                             |
| 110-19-0   | Isobutyl Acetate                          |
| 68953-58-2 | Alkyl Quaternary Ammonium Montmorillonite |
| 7631-86-9  | Silicon Dioxide                           |
| 8002-43-5  | Soya Lecithin                             |
| 1333-86-4  | Carbon black                              |
| 67-63-0    | Isopropyl Alcohol                         |
| 67-56-1    | methanol                                  |
| 64742-47-8 | Mineral Spirits                           |
| 108-10-1   | methyl isobutyl ketone                    |
| 107-87-9   | Methyl Propyl Ketone                      |
| 123-86-4   | butyl acetate                             |
| 7732-18-5  | Water                                     |
| 25013-15-4 | vinyl toluene                             |
| 64742-95-6 | Solvent naphtha, light aromatic           |

**HSNO Approval numbers**

|           |              |           |
|-----------|--------------|-----------|
| 108-88-3  | Toluene      | HSR001227 |
| 74-98-6   | propane      | HSR001010 |
| 67-64-1   | Acetone      | HSR001070 |
| 1330-20-7 | xylene (mix) | HSR000983 |

**Hazard-determining components of labelling:**

Toluene

**Directive 2012/18/EU  
 Named dangerous substances -  
 ANNEX I**

None of the ingredients is listed.  
 P3a FLAMMABLE AEROSOLS

**Seveso category  
 Qualifying quantity (tonnes) for the  
 application of lower-tier  
 requirements**

150 t

**Qualifying quantity (tonnes) for the  
 application of upper-tier  
 requirements**

500 t

**Waterhazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**Other regulations, limitations and prohibitive regulations**
**Substances of very high concern (SVHC) according to REACH, Article 57**

|          |         |
|----------|---------|
| 108-88-3 | Toluene |
|----------|---------|

**16 Other information**
**Relevant phrases**

H220 Extremely flammable gas.  
 H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 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.  
 H360 May damage fertility or 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.

**Department issuing SDS:**

Technical Services