## SECTION 1: IDENTIFICATION

**1.1 Product identifier:** EX017K3004 - MTN KRINK Red

**Other means of identification:**

**1.2 Recommended use of the chemical and restrictions on use:**

Relevant uses: Spray paint

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of manufacturer or importer:**

MONTANA COLORS, S.L.
Pol. Ind. Pla de les Vives C/ Anaïs Nin 6
08295 Sant Vicenç de Castellet - Barcelona - España
Phone: +34 938332760 (9:00- 16:00h GMT +1:00)
msds@montanacolors.com
https://www.montanacolors.com

DETAILS OF MANUFACTURER OR IMPORTER:
MONTANA COLORS AUSTRALIA PTY LTD.
Unit 3C, 430 Marion Street, Bankstown Airport, NSW 2200. AUSTRALIA
Phone: +61 (0) 295505997
Electronic address:
e-mail: australia@montanacolors.com

**1.4 Emergency phone number:** +61 (0) 295505997 (9:00-17:00 h.) (working hours)

## SECTION 2: HAZARD(S) IDENTIFICATION

**2.1 Classification of the hazardous chemical:**

**WHS:**

Classification of this product has been carried out in accordance with Model Work Health and Safety Regulations(Hazardous Chemicals) Amendment 2022

Aerosol 1: Pressurised container: May burst if heated., H229
Aerosol 1: Aerosols, Category 1, H222
Eye Irrit. 2A: Eye irritation, Category 2A, H319
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**2.2 Label elements, including precautionary statements:**

**WHS:**

**Danger**

**Hazard statements:**

Aerosol 1: H229 - Pressurised container: May burst if heated.
Aerosol 1: H222 - Extremely flammable aerosol.
Eye Irrit. 2A: H319 - Causes serious eye irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P210: 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.
P261: Avoid breathing spray.
P271: Use only outdoors or in a well-ventilated area.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501: Dispose of contents and / or their container according to the separated collection system used in your municipality.

**Supplementary information:**

- CONTINUED ON NEXT PAGE -

## SECTION 2: HAZARD(S) IDENTIFICATION (continued)

AUH066: Repeated exposure may cause skin dryness or cracking.

**Substances that contribute to the classification**

Ethyl acetate (10 - <30 %); N-butyl acetate (10 - <30 %); 2-methoxy-1-methylethyl acetate (<10 %)

**2.3 Other hazards which do not result in classification:**

Non-applicable

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS, IN ACCORDANCE WITH SCHEDULE 8

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**Chemical description:** Aerosol

**Components:**

In accordance with Schedule 8 (WHS Regulations), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---|
| CAS: 141-78-6 | **Ethyl acetate**<br>Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336; AUH066 - Danger | **10 - <30 %** |
| CAS: 123-86-4 | **N-butyl acetate**<br>Flam. Liq. 3: H226; STOT SE 3: H336; AUH066 - Warning | **10 - <30 %** |
| CAS: 106-97-8 | **Butane**<br>Flam. Gas 1A: H220; Press. Gas: H280 - Danger | **10 - <30 %** |
| CAS: 74-98-6 | **Propane**<br>Flam. Gas 1A: H220; Press. Gas: H280 - Danger | **10 - <30 %** |
| CAS: 75-28-5 | **Isobutane**<br>Flam. Gas 1A: H220; Press. Gas: H280 - Danger | **<10 %** |
| CAS: Non-applicable | **Reaction mass of ethylbenzene and m-xylene and p-xylene**<br>Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2A: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger | **<10 %** |
| CAS: 5280-66-0 | **C.I.Pigment red 48:4** | **<10 %** |
| CAS: 108-65-6 | **2-methoxy-1-methylethyl acetate**<br>Flam. Liq. 3: H226; STOT SE 3: H336 - Warning | **<10 %** |
| CAS: 7631-86-9 | **Silicon dioxide (RCS < 1%)** | **<10 %** |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

## SECTION 4: FIRST AID MEASURES

**4.1 Description of necessary first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

- CONTINUED ON NEXT PAGE -

## SECTION 4: FIRST AID MEASURES (continued)

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Symptoms caused by exposure:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Medical attention and special treatment:**

Non-applicable

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Suitable extinguishing equipment:**

**Suitable extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers ($CO_2$).

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Specific hazards arising from the chemical:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Special protective equipment and precautions for fire fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Methods and materials for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

A.- Technical measures for storage

Minimum Temp.: 5 ºC

Maximum Temp.: 30 ºC

Maximum time: 120 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Exposure control measures:

Substances whose occupational exposure limits have to be monitored in the workplace:

Workplace Exposure Standards for Airborne Contaminants 01/10/2022:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| N-butyl acetate<br>CAS: 123-86-4 | TWA<br>STEL | 150 ppm<br>200 ppm | 713 mg/m³<br>950 mg/m³ |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable | TWA<br>STEL | 80 ppm<br>150 ppm | 350 mg/m³<br>655 mg/m³ |
| phthalic anhydride<br>CAS: 85-44-9 | TWA<br>STEL | 1 ppm | 6.1 mg/m³ |
| maleic anhydride<br>CAS: 108-31-6 | TWA<br>STEL | 0.25 ppm | 1 mg/m³ |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 | TWA<br>STEL | 50 ppm<br>100 ppm | 274 mg/m³<br>548 mg/m³ |
| Titanium dioxide<br>CAS: 13463-67-7 | TWA<br>STEL | | 10 mg/m³ |
| Kaolin<br>CAS: 1332-58-7 | TWA<br>STEL | | 10 mg/m³ |
| Silicon dioxide (RCS < 1%)<br>CAS: 7631-86-9 | TWA<br>STEL | | 2 mg/m³ |
| propan-2-ol<br>CAS: 67-63-0 | TWA<br>STEL | 400 ppm<br>500 ppm | 983 mg/m³<br>1230 mg/m³ |
| ethanol<br>CAS: 64-17-5 | TWA<br>STEL | 1000 ppm | 1880 mg/m³ |
| C.I.Pigment red 48:4<br>CAS: 5280-66-0 | TWA<br>STEL | | 1 mg/m³ |
| Ethylbenzene<br>CAS: 100-41-4 | TWA<br>STEL | 100 ppm<br>125 ppm | 434 mg/m³<br>543 mg/m³ |
| Xylene | TWA | 80 ppm | 350 mg/m³ |

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## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

Workplace Exposure Standards for Airborne Contaminants 01/10/2022:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| CAS: 1330-20-7 | STEL | 150 ppm | 655 mg/m³ |
| Ethyl acetate | TWA | 200 ppm | 720 mg/m³ |
| CAS: 141-78-6 | STEL | 400 ppm | 1440 mg/m³ |
| 2-methylpropan-1-ol | TWA | 50 ppm | 152 mg/m³ |
| CAS: 78-83-1 | STEL | | |
| Dipropylene Glycol Methyl Ether | TWA | 50 ppm | 308 mg/m³ |
| CAS: 34590-94-8 | STEL | | |
| Calcium Carbonate | TWA | | 10 mg/m³ |
| CAS: 471-34-1 | STEL | | |
| Neodecanoic acid, zirconium salt | TWA | | 5 mg/m³ |
| CAS: 39049-04-2 | STEL | | 10 mg/m³ |
| Butane | TWA | 800 ppm | 1900 mg/m³ |
| CAS: 106-97-8 | STEL | | |

### 8.2 Engineering controls:

A.- Individual protection measures, for example personal protective equipment (PPE)

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.
All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory respiratory tract protection | Filter mask for gases, vapours and particles | Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected. |

C.- Specific protection for the hands

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory hand protection | Chemical protective gloves (Material: Linear low -density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory face protection | Face shield | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Bodily protection

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | For professional use only. Clean periodically according to the manufacturer´s instructions. |

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## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
|  Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Aerosol |
| Appearance: | Not available |
| Color: | Red |
| Odor: | Not available |
| Odour threshold: | Non-applicable * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | -1 ºC (Propellant) |
| Vapour pressure at 20 ºC: | Non-applicable * |
| Vapour pressure at 50 ºC: | <300000 Pa (300 kPa) |
| Evaporation rate at 20 ºC: | Non-applicable * |

**Product description:**

| | |
|---|---|
| Density at 20 ºC: | 780 kg/m³ |
| Relative density at 20 ºC: | 0.78 |
| Dynamic viscosity at 20 ºC: | Non-applicable * |
| Kinematic viscosity at 20 ºC: | Non-applicable * |
| Kinematic viscosity at 40 ºC: | Non-applicable * |
| Concentration: | Non-applicable * |
| pH: | Non-applicable * |
| Vapour density at 20 ºC: | Non-applicable * |
| Partition coefficient n-octanol/water 20 ºC: | Non-applicable * |
| Solubility in water at 20 ºC: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |
| Recipient pressure: | Non-applicable * |

**Flammability:**

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|---|---|
| Flash Point: | Non-applicable |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 365 ºC (Propellant) |
| Lower flammability limit: | Non-applicable * |
| Upper flammability limit: | Non-applicable * |
| **Particle characteristics:** | |
| Median equivalent diameter: | Non-applicable |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

| | |
|---|---|
| Explosive properties: | Non-applicable * |
| Oxidising properties: | Non-applicable * |
| Corrosive to metals: | Non-applicable * |
| Heat of combustion: | Non-applicable * |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable * |
| **Other safety characteristics:** | |
| Surface tension at 20 ºC: | Non-applicable * |
| Refraction index: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide ($CO_2$), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- CONTINUED ON NEXT PAGE -

## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Reaction mass of ethylbenzene and m-xylene and p-xylene (3); Titanium dioxide (2B); propan-2-ol (3); ethanol (1); Ethylbenzene (2B); Xylene (3); Neodecanoic acid, cobalt salt (2B); Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| N-butyl acetate | LD50 oral | 12789 mg/kg | Rat |
| CAS: 123-86-4 | LD50 dermal | 14112 mg/kg | Rabbit |
| | LC50 inhalation | 23.4 mg/L (4 h) | Rat |
| Reaction mass of ethylbenzene and m-xylene and p-xylene | LD50 oral | 5627 mg/kg | Mouse |
| CAS: Non-applicable | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | 11 mg/L (ATEi) | |
| 2-methoxy-1-methylethyl acetate | LD50 oral | 8532 mg/kg | Rat |
| CAS: 108-65-6 | LD50 dermal | >5000 mg/kg | Rat |
| | LC50 inhalation | 30 mg/L (4 h) | Rat |

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Silicon dioxide (RCS < 1%) | LD50 oral | >5000 mg/kg | Rat |
| CAS: 7631-86-9 | LD50 dermal | 5100 mg/kg | Rabbit |
| | LC50 inhalation | >5 mg/L | |
| C.I.Pigment red 48:4 | LD50 oral | 5100 mg/kg | Rat |
| CAS: 5280-66-0 | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Ethyl acetate | LD50 oral | 4100 mg/kg | Rat |
| CAS: 141-78-6 | LD50 dermal | 20000 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |
| Butane | LD50 oral | >5000 mg/kg | |
| CAS: 106-97-8 | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | 658 mg/L (4 h) | Rat |
| Propane | LD50 oral | >5000 mg/kg | |
| CAS: 74-98-6 | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Isobutane | LD50 oral | >5000 mg/kg | |
| CAS: 75-28-5 | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |

## SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

### 12.1 Ecotoxicity:

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Ethyl acetate | LC50 | 230 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 141-78-6 | EC50 | 717 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 3300 mg/L (48 h) | Scenedesmus subspicatus | Algae |
| N-butyl acetate | LC50 | Non-applicable | | |
| CAS: 123-86-4 | EC50 | Non-applicable | | |
| | EC50 | 675 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| C.I.Pigment red 48:4 | LC50 | 100 mg/L (96 h) | Brachydanio rerio | Fish |
| CAS: 5280-66-0 | EC50 | Non-applicable | | |
| | EC50 | Non-applicable | | |
| 2-methoxy-1-methylethyl acetate | LC50 | 161 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 108-65-6 | EC50 | 481 mg/L (48 h) | Daphnia sp. | Crustacean |
| | EC50 | Non-applicable | | |
| Silicon dioxide (RCS < 1%) | LC50 | 5000 mg/L (96 h) | Brachydanio rerio | Fish |
| CAS: 7631-86-9 | EC50 | 10000 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | 440 mg/L (72 h) | Selenastrum capricornutum | Algae |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Ethyl acetate | NOEC | 9.65 mg/L | Pimephales promelas | Fish |
| CAS: 141-78-6 | NOEC | 2.4 mg/L | Daphnia magna | Crustacean |
| N-butyl acetate | NOEC | Non-applicable | | |
| CAS: 123-86-4 | NOEC | 23.2 mg/L | Daphnia magna | Crustacean |
| Reaction mass of ethylbenzene and m-xylene and p-xylene | NOEC | 1.3 mg/L | Oncorhynchus mykiss | Fish |
| CAS: Non-applicable | NOEC | 1.17 mg/L | Ceriodaphnia dubia | Crustacean |
| 2-methoxy-1-methylethyl acetate | NOEC | 47.5 mg/L | Oryzias latipes | Fish |
| CAS: 108-65-6 | NOEC | 100 mg/L | Daphnia magna | Crustacean |

### 12.2 Persistence and degradability:

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Ethyl acetate<br>CAS: 141-78-6 | BOD5 | 1.36 g O2/g | Concentration | 100 mg/L |
| | COD | 1.69 g O2/g | Period | 14 days |
| | BOD5/COD | 0.8 | % Biodegradable | 83 % |
| N-butyl acetate<br>CAS: 123-86-4 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 5 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 84 % |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 | BOD5 | Non-applicable | Concentration | 785 mg/L |
| | COD | Non-applicable | Period | 8 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 100 % |

### 12.3 Bioaccumulative potential:

**Substance-specific information:**

| Identification | Bioaccumulation potential | |
|---|---|---|
| Ethyl acetate<br>CAS: 141-78-6 | BCF | 30 |
| | Pow Log | 0.73 |
| | Potential | Moderate |
| N-butyl acetate<br>CAS: 123-86-4 | BCF | 4 |
| | Pow Log | 1.78 |
| | Potential | Low |
| Butane<br>CAS: 106-97-8 | BCF | 33 |
| | Pow Log | 2.89 |
| | Potential | Moderate |
| Propane<br>CAS: 74-98-6 | BCF | 13 |
| | Pow Log | 2.86 |
| | Potential | Low |
| Isobutane<br>CAS: 75-28-5 | BCF | 27 |
| | Pow Log | 2.76 |
| | Potential | Low |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable | BCF | 9 |
| | Pow Log | 2.77 |
| | Potential | Low |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 | BCF | 1 |
| | Pow Log | 0.43 |
| | Potential | Low |

### 12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| Ethyl acetate<br>CAS: 141-78-6 | Koc | 59 | Henry | 13.58 Pa·m³/mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2.324E-2 N/m (25 ºC) | Moist soil | Yes |
| N-butyl acetate<br>CAS: 123-86-4 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 2.478E-2 N/m (25 ºC) | Moist soil | Non-applicable |
| Butane<br>CAS: 106-97-8 | Koc | 900 | Henry | 96258.75 Pa·m³/mol |
| | Conclusion | Low | Dry soil | Yes |
| | Surface tension | 1.187E-2 N/m (25 ºC) | Moist soil | Yes |
| Propane<br>CAS: 74-98-6 | Koc | 460 | Henry | 71636.78 Pa·m³/mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | 7.02E-3 N/m (25 ºC) | Moist soil | Yes |
| Isobutane<br>CAS: 75-28-5 | Koc | 35 | Henry | 120576.75 Pa·m³/mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 9.84E-3 N/m (25 ºC) | Moist soil | Yes |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**12.5 Results of PBT and vPvB assessment:**

Non-applicable

**12.6 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Disposal methods:**

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

**Regulations related to waste management:**

Legislation related to waste management:

Basel Convention (Hazardous Waste)
Hazardous Waste (Regulation of Exports and Imports) Act 1989 and Amendments

## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADG Code:


| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1950 |
| **14.2** | **Proper shipping name or Technical Name:** | AEROSOLS |
| **14.3** | **Transport hazard class:** | 2 |
| | Labels: | 2.1 |
| **14.4** | **Packing Group:** | N/A |
| **14.5** | **Environmental hazards for Transport Purposes:** | No |
| **14.6** | **Special precautions for user** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** | Non-applicable |

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:


| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1950 |
| **14.2** | **Proper shipping name or Technical Name:** | AEROSOLS |
| **14.3** | **Transport hazard class:** | 2 |
| | Labels: | 2.1 |
| **14.4** | **Packing Group:** | N/A |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 63, 959, 190, 277, 327, 344 |
| | EmS Codes: | F-D, S-U |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 1 L |
| | Segregation group: | Non-applicable |
| **14.7** | **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** | Non-applicable |

**Transport of dangerous goods by air:**

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## SECTION 14: TRANSPORT INFORMATION (continued)

With regard to IATA/ICAO 2023:


| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1950 |
| **14.2** | **Proper shipping name or Technical Name:** | AEROSOLS |
| **14.3** | **Transport hazard class:** | 2 |
| | Labels: | 2.1 |
| **14.4** | **Packing Group:** | N/A |
| **14.5** | **Environmental hazards for Transport Purposes:** | No |
| **14.6** | **Special precautions for user** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** | Non-applicable |

## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations:**

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Industrial Chemicals Act 2019:**

Industrial Chemicals (Notification and Assessment) Act 1989

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with WHS regulations and Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

**Texts of the legislative phrases mentioned in section 2:**

H336: May cause drowsiness or dizziness.
H229: Pressurised container: May burst if heated.
H222: Extremely flammable aerosol.
H319: Causes serious eye irritation.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**WHS:**

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2A: H319 - Causes serious eye irritation.
Flam. Gas 1A: H220 - Extremely flammable gas.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

http://www.safeworkaustralia.gov.au/

**Abbreviations and acronyms:**

- CONTINUED ON NEXT PAGE -

## SECTION 16: OTHER INFORMATION (continued)

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
IARC: International Agency for Research on Cancer



END OF SAFETY DATA SHEET