

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2018





Version: 3

Revision: 09.09.2018

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

- **Product identifier**
- **Trade name:** *Colorspray*
- **Article number:** 02250,92252
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** *cosmetic (agent)*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Kryolan Australia Pty Ltd*
- *86 Woodlands Drive, Braeside, Victoria 3195*
- **Tel:** +61 3 9580 8122
- **Fax:** 03 9580 7074
- **Email:** *sales@kryolan.com.au*
- **Web:** *www.kryolan.com.au*
- **Emergency Contact:** +61 3 9580 8122 / +61419586 189

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  -  *Xi; Irritant*
  - R36: *Irritating to eyes.*
  -  *F+; Extremely flammable*
  - R12: *Extremely flammable.*
  - R67: *Vapours may cause drowsiness and dizziness.*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*
- **Label elements**
- **Labelling according to EU guidelines:**  
*As a cosmetic preparation, the product is not subject to the provisions of the Chemical Law and the Ordinance on Hazardous Materials. However, general safety regulations should be observed. Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.*
- **Code letter and hazard designation of product:**
  -   *Xi Irritant*  
*F+ Extremely flammable*
- **Risk phrases:**
  - 12 *Extremely flammable.*
  - 36 *Irritating to eyes.*
  - 67 *Vapours may cause drowsiness and dizziness.*
- **Safety phrases:**
  - 2 *Keep out of the reach of children.*
  - 16 *Keep away from sources of ignition - No smoking.*
  - 23 *Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).*

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51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:**

Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7	butane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	40-50%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Xi R36; F R11 R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5-15%
CAS: 74-98-6 EINECS: 200-827-9	propane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	5-10%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

· **Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Do not induce vomiting; call for medical help immediately.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

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· **Additional information** Cool endangered receptacles with water spray.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Keep away from ignition sources.
- **Environmental precautions:**
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Ensure adequate ventilation.
  - Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
  - Use only in well ventilated areas.
  - Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:**
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  - Store in a cool location.
  - Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:**
  - Store away from foodstuffs.
  - Store away from flammable substances.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 2 B
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

<b>106-97-8 butane</b>	
WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
<b>64-17-5 ethanol</b>	
WEL	Long-term value: 1920 mg/m <sup>3</sup> , 1000 ppm

- **Additional information:**
  - The lists valid during the making were used as basis.

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For commercial / industrial application the following precaution should be applied .

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.  
 Do not eat or drink while working.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Not required.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not required.
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

- |         |                                    |
|---------|------------------------------------|
| Form:   | Aerosol                            |
| Colour: | According to product specification |
| Odour:  | Aromatic                           |

#### · Change in condition

- Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Not applicable, as aerosol.

- |                       |                             |
|-----------------------|-----------------------------|
| · <b>Flash point:</b> | Not applicable, as aerosol. |
|-----------------------|-----------------------------|

- |   |                                    |
|---|------------------------------------|
| · <b>Flammability (solid, gaseous):</b> | Extremely flammable liquefied gas. |
|---|------------------------------------|

- |                                |       |
|--------------------------------|-------|
| · <b>Ignition temperature:</b> | 365°C |
|--------------------------------|-------|

- |                         |                              |
|-------------------------|------------------------------|
| · <b>Self-igniting:</b> | Product is not selfigniting. |
|-------------------------|------------------------------|

- |                               |  |
|-------------------------------|--|
| · <b>Danger of explosion:</b> | In use, may form flammable/explosive vapour-air mixture. |
|-------------------------------|--|

#### · Explosion limits:

- |        |            |
|--------|------------|
| Lower: | 1.5 Vol %  |
| Upper: | 15.0 Vol % |

- |                           |   |
|---------------------------|---|
| · <b>Vapour pressure:</b> | at 20° C                      4,5 bar   |
|                           | at 50° C                        7,5 bar |

- |                           |                        |
|---------------------------|------------------------|
| · <b>Density at 20°C:</b> | 0.65 g/cm <sup>3</sup> |
|---------------------------|------------------------|

#### · Solubility in / Miscibility with water:

Soluble.

#### · Solvent content:

- |                   |             |
|-------------------|-------------|
| Organic solvents: | 5-15 %      |
| VOC (EC)          | 132-165 g/L |

Solids content:	20-30 %
-----------------	---------

- |                            |  |
|----------------------------|--|
| · <b>Other information</b> | No further relevant information available. |
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### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
*Pressurized 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.*
- **Possibility of hazardous reactions**  
*Danger of receptacles bursting because of high vapour pressure when heated.*
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**67-63-0 propan-2-ol**

Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
*Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.*

### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*

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· <b>European waste catalogue</b>	
15 01 04	metallic packaging
15 01 10*	packaging containing residues of or contaminated by dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· <b>UN-Number</b>	1950
· <b>ADR, IMDG, IATA</b>	1950
· <b>UN proper shipping name</b>	1950 AEROSOLS
· <b>ADR</b>	1950 AEROSOLS
· <b>IMDG</b>	AEROSOLS
· <b>IATA</b>	AEROSOLS, flammable
· <b>Transport hazard class(es)</b>	
· <b>ADR</b>	
· <b>Class</b>	2 5F Gases.
· <b>Label</b>	2.1
-----	
· <b>IMDG, IATA</b>	
· <b>Class</b>	2.1
· <b>Label</b>	2.1
· <b>Packing group</b>	Void
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Gases.
· <b>Danger code (Kemler):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
-----	
· <b>ADR</b>	
· <b>Tunnel restriction code</b>	D
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· <b>IATA</b>	
· <b>Remarks:</b>	Pkg. Inst.: 203 PAX & CAO Aircraft 75 kg CAO Aircraft only 150 kg

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**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to EU guidelines:**  
As a cosmetic preparation, the product is not subject to the provisions of the Chemical Law and the Ordinance on Hazardous Materials. However, general safety regulations should be observed.  
Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.
- **Code letter and hazard designation of product:**  
 Xi Irritant  
F+ Extremely flammable
- **Risk phrases:**  
12 Extremely flammable.  
36 Irritating to eyes.  
67 Vapours may cause drowsiness and dizziness.
- **Safety phrases:**  
2 Keep out of the reach of children.  
16 Keep away from sources of ignition - No smoking.  
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
51 Use only in well-ventilated areas.
- **Special labelling of certain preparations:**  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material.  
Buildup of explosive mixtures possible without sufficient ventilation.  
Keep out of the reach of children
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

- Does not contain Carbons (CKW)  
Does not contain Fluorocarbons (FCKW)  
Test pressure the used can. 12 bar  
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- **Relevant phrases**  
H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
  - **R11 Highly flammable.**  
· **R12 Extremely flammable.**  
· **R36 Irritating to eyes.**  
· **R67 Vapours may cause drowsiness and dizziness.**
  - **Department issuing MSDS:** Section Product Safty
  - **Contact:** Mr.Lüth