

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/26/2022

Version: 1

Reviewed on 26/04/2022

## 1 Identification

- Product identifier
- Trade name: Kryolan Color Spray various colors (2022)
- Article number: 02250
- Relevant identified uses of the substance or mixture and uses advised against  
Avoid contact with mucous membranes and eyes
- Application of the substance / the mixture Cosmetic Product
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Kryolan Australia Pty Ltd  
86 Woodlands Drive Braeside VIC 3195  
Australia  
Tel: +61 3 9580 8122
- Information department:  
Section Productsafety  
info@kryolan.com.au
- Emergency telephone number:  
03 9580 8122 / 0419 586 189

## 2 Hazard(s) identification

- Classification of the substance or mixture



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS08 Health hazard

Carc. 1A      H350 May cause cancer. Route of exposure: Inhalation.



GHS07

Eye Irrit. 2A      H319 Causes serious eye irritation.

STOT SE 3      H336 May cause drowsiness or dizziness.

- Label elements
- GHS label elements  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



GHS02



GHS07



GHS08

- Signal word Danger

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/26/2022

Version: 1

Reviewed on 26/04/2022

Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 1)

- Hazard-determining components of labeling:  
2-Propanol  
titanium dioxide  
ethanol
- Hazard statements  
H222 Extremely flammable aerosol.  
H319 Causes serious eye irritation.  
H350 May cause cancer. Route of exposure: Inhalation.  
H336 May cause drowsiness or dizziness.
- Precautionary statements  
P201 Obtain special instructions before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P312 Call a poison center/doctor if you feel unwell.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Classification system:
- NFPA ratings (scale 0 - 4)  
Health = 2  
Fire = 4  
Reactivity = 3
- HMIS-ratings (scale 0 - 4)  
Health = 2  
Fire = 4  
Reactivity = 3
- 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 the substances listed below with nonhazardous additions.

· Dangerous components:

106-97-8	butane, pure	15-40%
67-63-0	2-Propanol	20-30%
74-98-6	propane	7-13%
13463-67-7	titanium dioxide	3-7%
64-17-5	ethanol	1-5%

· Ungefährliche Inhaltsstoffe:

	Color (certified cosmetic pigments)	10-30%
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(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

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Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 2)

25189-83-7	Polyvinylcaprolactam	0.5-1.5%
75-28-5	isobutane	0.1-<1%

## 4 First-aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Wash off with water and soap.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:  
Seek medical treatment in case of complaints.  
Purge mouth and drink plenty of water in small swallows. Do not force vomiting
- 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 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents: Water
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment:  
Wear self-contained respiratory protective device.  
no special conditions required.

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures  
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- 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.
- Protective Action Criteria for Chemicals

· PAC-1:		
106-97-8	butane, pure	5500* ppm
67-63-0	2-Propanol	400 ppm
74-98-6	propane	5500* ppm
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
64-17-5	ethanol	1,800 ppm
75-28-5	isobutane	5500* ppm

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/26/2022

Version: 1

Reviewed on 26/04/2022

Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 3)

25086-89-9	Poly(1-vinylpyrrolidone-co-vinylacetate)	1.9 mg/m <sup>3</sup>
· PAC-2:		
106-97-8	butane, pure	17000** ppm
67-63-0	2-Propanol	2000* ppm
74-98-6	propane	17000** ppm
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
64-17-5	ethanol	3300* ppm
75-28-5	isobutane	17000** ppm
25086-89-9	Poly(1-vinylpyrrolidone-co-vinylacetate)	21 mg/m <sup>3</sup>
· PAC-3:		
106-97-8	butane, pure	53000*** ppm
67-63-0	2-Propanol	12000** ppm
74-98-6	propane	33000*** ppm
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
64-17-5	ethanol	15000* ppm
75-28-5	isobutane	53000*** ppm
25086-89-9	Poly(1-vinylpyrrolidone-co-vinylacetate)	120 mg/m <sup>3</sup>

## 7 Handling and storage

- Handling:
- Precautions for safe handling  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- Information about protection against explosions and fires:  
Do not spray on a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Keep respiratory protective device available.  
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.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:  
Observe official regulations on storing packagings with pressurized containers.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components with limit values that require monitoring at the workplace:  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the remaining constituent has no known exposure limits.

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/26/2022

Version: 1

Reviewed on 26/04/2022

Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 4)

106-97-8 butane, pure	
REL	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
TLV	Short-term value: 1000 ppm (EX)
67-63-0 2-Propanol	
PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
74-98-6 propane	
PEL	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
TLV	see Appendix F Minimal oxygen content ( D, EX)
64-17-5 ethanol	
PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1000 ppm A3

· Ingredients with biological limit values:

67-63-0 2-Propanol	
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
67-63-0 2-Propanol	
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

· Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:  
Keep away from foodstuffs, beverages and feed.  
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 eyes.  
Avoid contact with the eyes and skin.
- Breathing equipment:  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Protection of hands:



Protective gloves

(Contd. on page 6)

# Safety Data Sheet

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Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 5)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

Form: Aerosol  
Color: According to product specification

- Odor: Characteristic

- Odor threshold: Not determined.

- pH-value: Not determined.

- Change in condition

Melting point/Melting range: Undetermined.  
Boiling point/Boiling range: 82 °C (179.6 °F)

- Flash point: 13 °C (55.4 °F)

- Flammability (solid, gaseous): Not applicable.

- Decomposition temperature: Not determined.

- Auto igniting: Product is not selfigniting.

- Danger of explosion: Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.

- Explosion limits:

Lower: 2 Vol %  
Upper: 12 Vol %

- Vapor pressure at 20 °C (68 °F): 43 hPa (32.3 mm Hg)

- Density: Not determined.

- Relative density: Not determined.

- Vapor density: Not determined.

- Evaporation rate: Not applicable.

- Solubility in / Miscibility with

Water: Fully miscible.

(Contd. on page 7)

# Safety Data Sheet

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Reviewed on 26/04/2022

Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 6)

- |  |  |
|--|--|
| · Partition coefficient (n-octanol/water): | Not determined.                            |
| · Viscosity:                               |  |
| Dynamic:                                   | Not determined.                            |
| Kinematic:                                 | Not determined.                            |
| · Solvent content:                         |  |
| Organic solvents:                          | 68.0 %                                     |
| VOC content:                               | 68.72 %                                    |
|  | 687.2 g/l / 5.73 lb/gal                    |
| Solids content:                            | 82.5 %                                     |
| · Other information                        | No further relevant information available. |

## 10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 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.

## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

- LD/LC50 values that are relevant for classification:

106-97-8 butane, pure

Inhalative LC50/4 h 658 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:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

67-63-0	2-Propanol	3
13463-67-7	titanium dioxide	2B
64-17-5	ethanol	1
14807-96-6	Talc (Mg3H2(SiO3)4)	3

- NTP (National Toxicology Program)

None of the ingredients is listed.

(Contd. on page 8)

# Safety Data Sheet

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Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 7)

- OSHA-Ca (Occupational Safety & Health Administration)
- None of the ingredients is listed.

## 12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior 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 (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 of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

## 14 Transport information

- UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), ETHANOL (ETHYL ALCOHOL)), 3, II

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

- Section 355 (extremely hazardous substances):  
None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):  
67-63-0 2-Propanol

- TSCA (Toxic Substances Control Act):

106-97-8	butane, pure	ACTIVE
67-63-0	2-Propanol	ACTIVE
74-98-6	propane	ACTIVE
13463-67-7	titanium dioxide	ACTIVE

(Contd. on page 9)



# Safety Data Sheet

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Trade name: Kryolan Color Spray various colors (2022)

(Contd. of page 8)

64-17-5	ethanol	ACTIVE
25189-83-7	Polyvinylcaprolactam	ACTIVE
75-28-5	isobutane	ACTIVE
14807-96-6	Talc (Mg3H2(SiO3)4)	ACTIVE
6938-94-9	Diisopropyl Adipate	ACTIVE
25086-89-9	Poly(1-vinylpyrrolidone-co-vinylacetate)	ACTIVE
8001-79-4	Castor oil	ACTIVE

· Hazardous Air Pollutants  
None of the ingredients is listed.

· Proposition 65  
· Chemicals known to cause cancer:  
13463-67-7 titanium dioxide

· Chemicals known to cause reproductive toxicity for females:  
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:  
None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:  
64-17-5 ethanol

· Carcinogenic categories  
· EPA (Environmental Protection Agency)  
None of the ingredients is listed.

· TLV (Threshold Limit Value)

67-63-0	2-Propanol	A4
13463-67-7	titanium dioxide	A4
64-17-5	ethanol	A3
14807-96-6	Talc (Mg3H2(SiO3)4)	A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)  
13463-67-7 titanium dioxide

· GHS label elements  
The product is classified and labeled according to the Globally Harmonized System (GHS).  
· Hazard pictograms



GHS02    GHS07    GHS08

· Signal word Danger  
· Hazard-determining components of labeling:  
2-Propanol  
titanium dioxide  
ethanol  
· Hazard statements  
H222 Extremely flammable aerosol.  
H319 Causes serious eye irritation.  
H350 May cause cancer. Route of exposure: Inhalation.  
H336 May cause drowsiness or dizziness.

(Contd. on page 10)

# Safety Data Sheet

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(Contd. of page 9)

- Precautionary statements

- P201 Obtain special instructions before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a poison center/doctor if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- National regulations:

- Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

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.

- Department issuing SDS: Section Product Safty

- Contact:

-

Lars Köppling

Email: l.koeppling@kryolan.com

- Date of preparation / last revision 04/26/2022 / -

- Abbreviations and acronyms:

- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flam. Aerosol 1: Aerosols – Category 1
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Carc. 1A: Carcinogenicity – Category 1A
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

- \* Data compared to the previous version altered.