

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 08/22/2013

Version: 5

Reviewed on 08/22/2013

**1 Identification**

- **Product identifier**
- **Trade name:** *Colorspray*
- **Article number:** 02250,92252
- **Relevant identified uses of the substance or mixture and uses advised against**  
Recommended : At present we have no information prior to the use restrictions.  
restrictions on use In the presence of these data are included in the MSDS.
  
- Use of the : At present we are still no information on the uses identified before.  
Substance/Mixtur In the presence of these data are included in the MSDS.
- **Application of the substance / the preparation** *cosmetic (agent)*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Kryolan GmbH  
Papierstraße 10  
D-13409 Berlin  
Tel: 49 (0) 3049989250  
Fax: 49 (0) 304914994
- **Information department:**  
Section Productsafety  
andreas.lueth@kryolan.de
- **Emergency telephone number:** 49 (0)304011577 oder 49 (0)30499892-20 o.-60

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS02 Flame

H222 Extremely flammable aerosol.



GHS07

H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Irritant

Irritating to eyes.



Extremely flammable

Extremely flammable.

- **Information concerning particular hazards for human and environment:**  
The product has to be labeled due to the calculation procedure of international guidelines.  
Warning! Pressurized container.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **Label elements**

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with directives on hazardous materials.

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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:**



Irritant  
Extremely flammable

· **Risk phrases:**

Extremely flammable.  
Irritating to eyes.

· **Safety phrases:**

Keep out of the reach of children.  
Keep away from sources of ignition - No smoking.  
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
Use only in well-ventilated areas.

· **Special labeling of certain preparations:**

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.  
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.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 0  
Reactivity = 3

· **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1  
FIRE 0 Fire = 0  
REACTIVITY 3 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	 H220;  H280	40-50%
67-63-0	propan-2-ol	 H225;  H319; H336	5-15%
74-98-6	propane	 H220;  H280	5-10%

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### 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; immediately call for medical help.
- **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>, extinguishing 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.
- **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 protection against explosions and fires:**  
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.

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- 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 systems:** No further data; see item 7.
- **Control parameters**

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

**106-97-8 butane**

REL 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV Varies mg/m<sup>3</sup>, 1000 ppm

**64-17-5 ethanol**

PEL 1900 mg/m<sup>3</sup>, 1000 ppm  
 REL 1900 mg/m<sup>3</sup>, 1000 ppm  
 TLV Short-term value: 1880 mg/m<sup>3</sup>, NIC-1000 ppm  
 Long-term value: 1880 mg/m<sup>3</sup>, 1000 ppm  
 NIC-A3

**74-98-6 propane**

PEL 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV Varies mg/m<sup>3</sup>, 1000 ppm

- **Additional information:**
  - The lists that were valid during the creation were used as basis.
  - 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.
- **Breathing equipment:** 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
  - **Color:** According to product specification
  - **Odor:** Aromatic

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· <b>Change in condition</b> <i>Melting point/Melting range:</i> Undetermined. <i>Boiling point/Boiling range:</i> 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 (689 °F)
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	In use, may form flammable/explosive vapour-air mixture.
· <b>Explosion limits:</b>	
<i>Lower:</i>	1.5 Vol %
<i>Upper:</i>	15.0 Vol %
· <b>Vapor pressure:</b>	at 68° F                      62,37 lb/sq in at 122° F                      108,78 lb/sq in
· <b>Density at 20 °C (68 °F):</b>	0.65 g/cm <sup>3</sup> (5.424 lbs/gal)
· <b>Solubility in / Miscibility with Water:</b>	Soluble.
· <b>Solvent content:</b>	
<i>Organic solvents:</i>	5-15 %
<i>VOC content:</i>	75.0 %
<i>Solids content:</i>	20-30 %
· <b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use.
- **Possibility of hazardous reactions** Danger of receptacles bursting because of high vapor pressure if 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 that are 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.

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· **Additional toxicological information:**  
Inhalation of concentrated vapors as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

· **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>		
128-37-0	2,6-di-tert-butyl-p-cresol	3
· <b>NTP (National Toxicology Program)</b>		
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.

**14 Transport information**

· <b>UN-Number</b>	
· <b>DOT</b>	UN1950
· <b>ADR, IMDG, IATA</b>	1950
· <b>UN proper shipping name</b>	
· <b>DOT, IATA</b>	AEROSOLS, flammable
· <b>ADR</b>	1950 AEROSOLS
· <b>IMDG</b>	AEROSOLS

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· **Transport hazard class(es)**

· **DOT**



· **Class** 2.1  
· **Label** 2.1

· **ADR**



· **Class** 2 - 5F Gases  
· **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1  
· **Label** 2.1

· **Packing group**

· **DOT, ADR, IMDG, IATA** Void

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special precautions for user** Warning: Gases

· **Danger code (Kemler):** -

· **EMS Number:** F-D,S-U

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **IATA**

· **Remarks:** Pkg. Inst.: 203 PAX & CAO Aircraft 75 kg  
CAO Aircraft only 150 kg

· **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

**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):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **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 established by ACGIH)**

64-17-5 | ethanol

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials. 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.

· **Hazard symbols:**



Irritant  
Extremely flammable

· **Risk phrases:**

Extremely flammable.  
Irritating to eyes.

· **Safety phrases:**

Keep out of the reach of children.  
Keep away from sources of ignition - No smoking.  
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
Use only in well-ventilated areas.

· **Special labeling of certain preparations:**

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.  
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)

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*Test pressure the used cane. 174 lb/sq in*

*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 MSDS:** Section Product Safety

· **Contact:** Mr.Lüth

· **Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*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*

USA