

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.01.2019

Revision: 22.01.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** AMSTERDAM SPRAYPAINT
- **Article number:** 17.16.xxxx
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified use: Artists' colour
- **1.3 Manufacturer/Supplier:**
Royal Talens
P.O.Box 4
NL-7300 AA Apeldoorn Tel. +31 (0)55 5274700
- **Further information obtainable from:**
Regulatory Affairs
safety@royaltalens.com
- **1.4 Emergency telephone number:**
Great Britain: National Poisons Information Service (Birmingham) tel. (44) (0) 1215074123
Ireland: National Poisons Information Centre (Dublin) tel. 35 3 18379966

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

- Aerosol 2 H223-H229 Flammable aerosol. Pressurised container: May burst if heated.
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
 - **Hazard pictograms**



GHS02

- **Signal word** Warning
- **Hazard statements**
H223-H229 Flammable aerosol. Pressurised container: May burst if heated.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to hazardous waste collection point.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous components:**

CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37	dimethyl ether	 Flam. Gas 1, H220; Press. Gas C, H280	25-50%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	ethanol	 Flam. Liq. 2, H225;  Eye Irrit. 2, H319	10-25%

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **After inhalation:** Not applicable.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

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

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

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Not applicable

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

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases/vapours is possible during heating or in case of fire.

· 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources.

· **6.2 Environmental precautions:** No special measures required.

· **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.

· 6.4 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.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Open and handle receptacle with care.

· **Information about fire - and explosion protection:**

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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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.

· **7.2 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 pressurised containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· **Storage class:** -

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

115-10-6 dimethyl ether (25-50%)

WEL Short-term value: 958 mg/m³, 500 ppm

Long-term value: 766 mg/m³, 400 ppm

64-17-5 ethanol (10-25%)

WEL Long-term value: 1920 mg/m³, 1000 ppm

· **DNELs**

115-10-6 dimethyl ether

Inhalative DNEL, long term (chronic) - systemic effects 471 mg/m³ (Consumer)

1,894 mg/m³ (Employee)

64-17-5 ethanol

Oral DNEL, long term (chronic) - systemic effects 87 mg/kg bw/day (Consumer)

Dermal DNEL, long term (chronic) - systemic effects 206 mg/kg bw/day (Consumer)

343 mg/kg bw/day (Employee)

Inhalative DNEL, acute - local effects 950 mg/m³ (Consumer)

1,900 mg/m³ (Employee)

DNEL, long term (chronic) - systemic effects 114 mg/m³ (Consumer)

950 mg/m³ (Employee)

· **PNECs**

115-10-6 dimethyl ether

PNEC, fresh water 0.155 mg/l (aquatic organism)

PNEC, marine water 0.016 mg/l (aquatic organism)

PNEC, fresh water sediment 0.681 mg/kg (aquatic organism)

PNEC, marine water sediment 0.069 mg/kg (aquatic organism)

PNEC, soil 0.045 mg/kg (terrestrial organism)

PNEC, sewage treatment plant 160 mg/l (aquatic organism)

64-17-5 ethanol

PNEC, fresh water 0.96 mg/l (aquatic organism)

PNEC, marine water 0.79 mg/l (aquatic organism)

PNEC, fresh water sediment 3.6 mg/kg (aquatic organism)

PNEC, soil 0.63 mg/kg (terrestrial organism)

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
- **Material of gloves:** Butyl rubber, BR
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Aerosol
Colour:	According to product specification
Odour:	Recognisable

· **pH-value:** Not applicable.

· Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	-24 °C

· **Flash point:** -42 °C

· **Flammability (solid, gas):** Not applicable.

· **Auto-ignition temperature:** 235 °C

· **Decomposition temperature:** Not determined.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower:	3 Vol %
Upper:	18.6 Vol %

· **Oxidising properties:** No further relevant information available.

· **Vapour pressure at 20 °C:** 5,200 hPa

· **Density at 20 °C:** 0.85 g/cm³

· **Vapour density:** Not applicable.

· **Evaporation rate:** Not determined.

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

Fully miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

· Viscosity:

Dynamic:	Not applicable.
Kinematic:	Not applicable.

· **9.2 Other information:** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity:** Dangerous reactions are not expected if the product is handled according to its intended use.

· **10.2 Chemical stability:** Stable under recommended storage and handling conditions (see section 7).

· 10.3 Possibility of hazardous reactions

Dangerous reactions are not expected if the product is handled according to its intended use.

· **10.4 Conditions to avoid:** Keep away from sources of ignition - No smoking.

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- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No decomposition if used according to specifications.

SECTION 11: Toxicological information

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

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

115-10-6 dimethyl ether

Inhalative	LC50/4 h	308 mg/l (rat)
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64-17-5 ethanol

Oral	LD50	10,470 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	51-125 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name** Not applicable.
- **ADR** 1950 AEROSOLS



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· IMDG · IATA	<i>AEROSOLS</i> <i>AEROSOLS, flammable</i>
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	<i>2 5F Gases.</i> <i>2.1</i>
· IMDG, IATA	
	
· Class · Label	<i>2.1</i> <i>2.1</i>
· 14.4 Packing group · ADR, IMDG, IATA	<i>Void</i>
· 14.5 Environmental hazards:	<i>Not applicable.</i>
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code	<i>Warning: Gases.</i> <i>-</i> <i>F-D,S-U</i> <i>SW1 Protected from sources of heat.</i> <i>SW22 For AEROSOLS with a maximum capacity of 1 litre:</i> <i>Category A. For AEROSOLS with a capacity above 1 litre:</i> <i>Category B. For WASTE AEROSOLS: Category C, Clear of</i> <i>living quarters.</i>
· Segregation Code	<i>SG69 For AEROSOLS with a maximum capacity of 1 litre:</i> <i>Segregation as for class 9. Stow "separated from" class 1</i> <i>except for division 1.4. For AEROSOLS with a capacity</i> <i>above 1 litre: Segregation as for the appropriate</i> <i>subdivision of class 2. For WASTE AEROSOLS:</i> <i>Segregation as for the appropriate subdivision of class 2.</i>
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	<i>Not applicable.</i>
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	<i>1L</i> <i>Code: E0</i> <i>Not permitted as Excepted Quantity</i>
· Transport category · Tunnel restriction code	<i>2</i> <i>D</i>
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	<i>1L</i> <i>Code: E0</i> <i>Not permitted as Excepted Quantity</i>
· UN "Model Regulation":	<i>UN 1950 AEROSOLS, 2.1</i>

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a FLAMMABLE AEROSOLS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **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.

- **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

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 2: Aerosols – Category 2

Press. Gas C: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2