





Safety Data Sheet dated 23/5/2013, version 1

SECTION 1: Identification of th	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Mixture identification:	
Trade name:	SPRAY ECO
Trade code:	35.000 ECO ACQUA
1.2. Relevant identified uses of	of the substance or mixture and uses advised against
Recommended use:	, i i i i i i i i i i i i i i i i i i i
Spray painting decorative hou	sehold, industrial and professional
	the safety data sheet a Dell'Industria 72/74 20083 Vigano di Gaggiano (MI) edale di Niguarda - Milano - Tel. 0039 02 66101029
Competent person responsible info@arecoitalia.it	e for the safety data sheet:
1.4. Emergency telephone nu	mber
	edale di Niguarda - Milano - Tel. 0039 02 66101029
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SECTION 2. Hazards identification	tion

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
 Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
 Properties / Symbols:
 F+ Extremely flammable

R Phrases:

R12 Extremely flammable.

Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements



Symbols: F+ Extremely flammable R Phrases: R12 Extremely flammable. S Phrases: S16 Keep away from sources of ignition - No smoking. S2 Keep out of reach of children. S23 Do not breathe spray. S43 In case of fire, use vaporized water or foam. S51 Use only in well-ventilated areas. S9 Keep container in a well-ventilated place.

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Special Provisions:

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. Keep away from sources of ignition - No smoking. Keep out of reach of children.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

- 3.1. Substances
 - N.A.

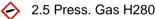
3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

15% - 20% propane

Index number: 601-003-00-5, CAS: 74-98-6, EC: 200-827-9 F+; R12; substance with a Community workplace exposure limit

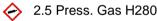
(a) 2.2/1 Flam. Gas 1 H220



7% - 10% butane

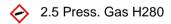
Index number: 601-004-00-0, CAS: 106-97-8, EC: 203-448-7 F+; R12; substance with a Community workplace exposure limit

2.2/1 Flam. Gas 1 H220



3% - 5% butane

Index number: 601-004-00-0, CAS: 75-28-5, EC: 200-857-2 F+; R12; substance with a Community workplace exposure limit 2.2/1 Flam. Gas 1 H220



- 1% 3% 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0 Xn,Xi; R20/21/22-36/38
 - 3.3/2 Eye Irrit. 2 H319
 - (1) 3.2/2 Skin Irrit. 2 H315
 - () 3.1/4/Oral Acute Tox. 4 H302
 - () 3.1/4/Dermal Acute Tox. 4 H312

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- () 3.1/4/Inhal Acute Tox. 4 H332
- - •
 - 3.3/2 Eye Irrit. 2 H319
 - 3.8/3 STOT SE 3 H336
- 0.5% 1% o-xylene

- (1) 3.2/2 Skin Irrit. 2 H315
- (1) 3.1/4/Dermal Acute Tox. 4 H312
- 3.1/4/Inhal Acute Tox. 4 H332

SECTION 4: First aid measures

4.1. Description of first aid measures

- In case of skin contact:
 - Wash with plenty of water and soap.
- In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

- 4.2. Most important symptoms and effects, both acute and delayed None
- 4.3. Indication of any immediate medical attention and special treatment needed Treatment:
 - None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 Suitable extinguishing media:
 In case of fire, use vaporized water or foam.
 Extinguishing media which must not be used for safety reasons:
 None in particular.
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- 5.2. Special hazards arising from the substance or mixture Do not inhale explosion and combustion gases. Burning produces heavy smoke.
- 5.3. Advice for firefighters
 - Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

- Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

- Do not eat or drink while working.
- See also section 8 for recomened protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

- Incompatible materials:
- None in particular.

Instructions as regards storage premises:

- Cool and adequately ventilated.
- 7.3. Specific end use(s) None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - propane CAS: 74-98-6

TLV TWA - 1000 ppm - 0 mg/m3

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VLE short - 1000 ppm butane - CAS: 106-97-8 TLV TWA - 1000 ppm butane - CAS: 75-28-5 TLV TWA - 1000 ppm - 0 mg/m3 VLE short - 1000 ppm 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2 TLV TWA - ppm 20 A3 TLV STEL - A3 VLE 8h - ppm 20 mg/m3 98 ,Skin VLE short - ppm 50 mg/m3 246 ,Skin acetone; propan-2-one; propanone - CAS: 67-64-1 TLV TWA - ppm 500,A4 TLV STEL - ppm 750,A4 VLE 8h - ppm 500 mg/m3 1210 o-xylene - CAS: 1330-20-7 TLV TWA - ppm 100 ,A4 TLV STEL - ppm 150 ,A4 VLE 8h - ppm 50 - mg/m3 221 ,Skin VLE short - ppm 100 - mg/m3 442 ,Skin **DNEL Exposure Limit Values** N.A. PNEC Exposure Limit Values N.A. 8.2. Exposure controls Eye protection: Not needed for normal use. Anyway, operate according good working practices. Protection for skin: No special precaution must be adopted for normal use. Protection for hands: Not needed for normal use. Respiratory protection: Use adequate protective respiratory equipment. Thermal Hazards: None Environmental exposure controls: None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance and colour: Liquid aspect (under pressure), various colours.

Odour:	Caracteristic of solvent
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling	range: N.A.
Solid/gas flammability:	Extremely flammable
Upper/lower flammability or ex	plosive limits: N.A.
Vapour density:	N.A.
Flash point:	Inf. 0 ° C
Evaporation rate:	N.A.

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Vapour pressure: a 20°C - 4,0 bar a 50°C - 8,0 bar Relative density: 0,75 - 0,80 g/ml Solubility in water: NO Solubility in oil: SI Partition coefficient (n-octanol/water): N.A. Auto-ignition temperature: N.A. Decomposition temperature: N.A. Viscosity: N.A. Explosive properties: N.A. Oxidizing properties: N.A. 9.2. Other information Miscibility: N.A. Fat Solubility: N.A. N.A. Conductivity: Substance Groups relevant properties N.A.

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability Stable under normal conditions
- 10.3. Possibility of hazardous reactions None
- 10.4. Conditions to avoid Stable under normal conditions.
- 10.5. Incompatible materials Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
- Toxicological information of the mixture:
 - N.A.

Toxicological information of the main substances found in the mixture:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2 LD50 (RABBIT) ORAL: 320 MG/KG acetone; propan-2-one; propanone - CAS: 67-64-1

LD50 (RABBIT) ORAL: 5300 MG/KG

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

a) acute toxicity;

b) skin corrosion/irritation;

c) serious eye damage/irritation;

d) respiratory or skin sensitisation;

e) germ cell mutagenicity;

f) carcinogenicity;

g) reproductive toxicity;

h) STOT-single exposure;

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 - i) STOT-repeated exposure; j) aspiration hazard.

SECTION 12: Ecological information

- 12.1. Toxicity
 - Adopt good working practices, so that the product is not released into the environment. N.A.
- 12.2. Persistence and degradability None

 - N.A.
- 12.3. Bioaccumulative potential
- N.A.
- 12.4. Mobility in soil N.A.
- 12.5. Results of PBT and vPvB assessment vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects None

SECTION 13: Disposal considerations

13.1. Waste treatment methods Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



14.1. UN number	
ADR-UN Number:	1993
IATA-UN Number:	1993
IMDG-UN Number:	1993
14.2. UN proper shipping name	
ADR-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (propane, butane)
IATA-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (propane, butane)
IMDG-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (propane, butane)
14.3. Transport hazard class(es)	
ADR-Class:	3
ADR-Label:	2
ADR - Hazard identification nur	nber: 33
IATA-Class:	3
IATA-Label:	Flamm. Liquid
IMDG-Class:	3
IMDG-Class:	2
14.4. Packing group	
ADR-Packing Group:	
IATA-Packing group:	I

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L IMDG-Packing group: 14.5. Environmental hazards IMDG-Marine pollutant: No 14.6. Special precautions for user IATA-Passenger Aircraft: 302 IATA-Cargo Aircraft: 303 IATA-S.P.: A3 IATA-ERG: 3H IMDG-Page: F-D. S-U IMDG-EmS: F-E , <u>S-E</u> IMDG-Storage category: E

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances) Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations) Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Dir. 2006/8/EC Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) Regulation (EU) n. 453/2010 (Annex I) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None Volatile CMR substances = 0.00 % Halogenated VOCs which are assigned the risk phrase R40 = 0.00 % Organic Carbon - C = 0.01 Where applicable, refer to the following regulatory provisions : Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments. Regulation (EC) nr 648/2004 (detergents). 1999/13/EC (VOC directive)

15.2. Chemical safety assessment No

SECTION 16: Other information

Text of phrases referred to under heading 3: R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R20/21/22 Harmful by inhalation,in contact with skin and if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R66 Repeated exposure may cause skin dryness or cracking.

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R67 Vapours may cause drowsiness and dizziness.

H220 Extremely flammable gas.

- H280 Contains gas under pressure; may explode if heated.
- H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H226 Flammable liquid and vapour.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU. This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Áviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.



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STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day.
	(ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	