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

1.1. Product identifier
Mixture identification:
Trade name: TINTE RAFFAELLO SPRAY
Trade code: 91.000/TR

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Spray painting decorative household, industrial and professional

1.3. Details of the supplier of the safety data sheet
Company:
ARECO ITALIA SPA Via Dell'Industria 72/74 20083 Vigano di Gaggiano (MI)
Centro Antiveleni - Ospedale di Niguarda - Milano - Tel. 0039 02 66101029

Competent person responsible for the safety data sheet:
info@arecoitalia.it

1.4. Emergency telephone number
Centro Antivelenci - Ospedale di Niguarda - Milano - Tel. 0039 02 66101029

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP):
Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.
Warning, Eye Irrit. 2, Causes serious eye irritation.
Warning, STOT SE 3, May cause drowsiness or dizziness.

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

2.2. Label elements
Hazard pictograms:

Danger
H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
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.
P271 Use only outdoors or in a well-ventilated area.
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 applicable regulations.

Special Provisions:
None

Contains
methyl acetate
n-butyl acetate

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

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 the CLP regulation and related classification:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Name</th>
<th>Ident. Number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 25% - &lt; 30%</td>
<td>methyl acetate</td>
<td>Index number: 607-021-00-X; CAS: 79-20-9; EC: 201-185-2; REACH No.: 01-2119459211-4; 7-XXXX</td>
<td>2.6/2 Flam. Liq. 2 H225; 3.3/2 Eye Irrit. 2 H319; 3.8/3 STOT SE 3 H336 EUH066</td>
</tr>
<tr>
<td>&gt;= 15% - &lt; 20%</td>
<td>propane</td>
<td>Index number: 601-003-00-5; CAS: 74-98-6; EC: 200-827-9; REACH No.: 01-2119486944-2 1-0046</td>
<td>2.2/1 Flam. Gas 1 H220</td>
</tr>
<tr>
<td>&gt;= 12.5% - &lt; 15%</td>
<td>n-butyl acetate</td>
<td>Index number: 607-025-00-1; CAS: 123-86-4; EC: 204-658-1; REACH No.: 01-2119485493-2 9-XXXX</td>
<td>2.6/3 Flam. Liq. 3 H226; 3.8/3 STOT SE 3 H336 EUH066</td>
</tr>
<tr>
<td>&gt;= 7% - &lt; 10%</td>
<td>butane</td>
<td>Index number: 601-004-00-0; CAS: 106-97-8; EC: 203-448-7; REACH No.: 01-2119480480-4 1-xxxx</td>
<td>2.3/3 Aerosols 3 H229; 2.2/1 Flam. Gas 1 H220</td>
</tr>
<tr>
<td>&gt;= 2.5% - &lt; 5%</td>
<td>and isobutane</td>
<td>Index number: 601-004-00-0; CAS: 200-857-2; EC: 201-2119480480-4 1-xxxx</td>
<td>2.2/1 Flam. Gas 1 H220</td>
</tr>
<tr>
<td>&gt;= 1% - &lt; 2.5%</td>
<td>methanol</td>
<td>Index number: 603-001-00-X; CAS: 67-56-1; EC: 200-859-6; REACH No.: 01-2119433307-4 4-XXXX</td>
<td>2.6/2 Flam. Liq. 2 H225; 3.1/3/Dermal Acute Tox. 3 H311; 3.1/3/Inhal Acute Tox. 3 H331; 3.1/3/Oral Acute Tox. 3 H301; 3.8/1 STOT SE 1 H370</td>
</tr>
<tr>
<td>&gt;= 1% - &lt; 2.5%</td>
<td>2-butoxyethanol; ethylene glycol monobutyl ether</td>
<td>Index number: 603-014-00-0; CAS: 94-94-2; EC: 203-905-0; REACH No.: 01-2119475108-3 6-XXXX</td>
<td>3.1/4/Dermal Acute Tox. 4 H312; 3.1/4/Inhal Acute Tox. 4 H332; 3.1/4/Oral Acute Tox. 4 H302; 3.2/2 Skin Irrit. 2 H315; 3.3/2 Eye Irrit. 2 H319</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

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
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment: None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: 
CO2 or Dry chemical fire extinguisher.
Extinguishing media which must not be used for safety reasons:
None in particular.

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, inhalation 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.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
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
methyl acetate - CAS: 79-20-9
ACGIH - TWA(8h): 200 ppm - STEL: 250 ppm - Notes: Headache, dizziness, nausea, eye dam (degeneration of ganglion cells in the retina)
propane - CAS: 74-98-6
ACGIH - Notes: Asphyxia
VLE short - 1000 ppm
n-butyl acetate - CAS: 123-86-4
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
butane - CAS: 106-97-8
ACGIH - STEL: 1000 ppm - Notes: CNS impair
and isobutane - CAS: 75-28-5
ACGIH - STEL: 1000 ppm - Notes: CNS impair
VLE short - 1000 ppm
methanol - CAS: 67-56-1
EU - TWA(8h): 260 mg/m3, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 200 ppm - STEL: 250 ppm - Notes: Skin, BEI - Headache, eye dam, dizziness, nausea
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
EU - TWA(8h): 98 mg/m3, 20 ppm - STEL: 246 mg/m3, 50 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr

DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.

8.2. Exposure controls
Eye protection:
Use close fitting safety goggles, don’t use eye lens.
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection:
Use adequate protective respiratory equipment.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and colour:</td>
<td>Liquid aspect (under pressure), various colours.</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic of solvent</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>N.A.</td>
</tr>
<tr>
<td>pH:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Melting point / freezing point:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Inf. 0 °C</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Solid/gas flammability:</td>
<td>Extremely flammable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>a 20°C - 4,0 bar a 50°C - 8,0 bar</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Relative density:</td>
<td>0,75 - 0,80 g/ml</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>NO</td>
</tr>
<tr>
<td>Solubility in oil:</td>
<td>SI</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>N.A.</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Oxidizing properties:</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
<th>Method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miscibility:</td>
<td>N.A.</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
Fat Solubility: N.A. -- --
Conductivity: N.A. -- --
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 product:
N.A.
Toxicological information of the main substances found in the product:
methyl acetate - CAS: 79-20-9
LD50 (RABBIT) ORAL: 3705 MG/KG
methanol - CAS: 67-56-1
LD50 (RAT) ORAL SINGLE DOSE: 5628 MG/KG
LD50 (RABBIT) SKIN SINGLE DOSE: 15800 MG/KG
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
LD50 (RABBIT) ORAL: 320 MG/KG

If not differently specified, the information required in Regulation (EU)2015/830 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;
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
Not classified as dangerous in the meaning of transport regulations.
ADR-UN number: 1950  
IATA-Un number: 1950  
IMDG-Un number: 1950

14.2. UN proper shipping name
ADR-Shipping Name: AEROSOL  
IATA-Technical name: AEROSOL  
IMDG-Technical name: AEROSOL  
N.A.

14.3. Transport hazard class(es)
ADR-Class: 2 5F  
IATA-Class: 2.1  
IATA-Label: 2.1  
IMDG-Class: 2  
N.A.

14.4. Packing group
ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -  
N.A.

14.5. Environmental hazards
Marine pollutant: Marine pollutant  
N.A.

14.6. Special precautions for user
IATA-Passenger Aircraft: ----  
IATA-Cargo Aircraft: 203  
IMDG-Technical name: AEROSOL  
IMDG-Page: F-D, S-U  
N.A.

14.7. Transport in bulk according to Annex II of Marpol 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. 98/24/EC (Risks related to chemical agents at work)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None
Volatile Organic compounds - VOCs = 582.60 g/l
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 2012/18/EU (Seveso III)
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P3a

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information
Text of phrases referred to under heading 3:
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
Safety Data Sheet

TINTE RAFFAELLO SPRAY

H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H229 Pressurized container: may burst if heated.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H315 Causes skin irritation.

<table>
<thead>
<tr>
<th>Hazard class and hazard category</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Gas 1</td>
<td>2.2/1</td>
<td>Flammable gas, Category 1</td>
</tr>
<tr>
<td>Aerosols 1</td>
<td>2.3/1</td>
<td>Aerosol, Category 1</td>
</tr>
<tr>
<td>Aerosols 3</td>
<td>2.3/3</td>
<td>Aerosol, Category 3</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>2.6/2</td>
<td>Flammable liquid, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>2.6/3</td>
<td>Flammable liquid, Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3</td>
<td>3.1/3/Dermal</td>
<td>Acute toxicity (dermal), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3</td>
<td>3.1/3/Inhal</td>
<td>Acute toxicity (inhalation), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3</td>
<td>3.1/3/Oral</td>
<td>Acute toxicity (oral), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>3.1/4/Dermal</td>
<td>Acute toxicity (dermal), Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>3.1/4/Inhal</td>
<td>Acute toxicity (inhalation), Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>3.1/4/Oral</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>3.2/2</td>
<td>Skin irritation, Category 2</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>3.3/2</td>
<td>Eye irritation, Category 2</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>3.8/1</td>
<td>Specific target organ toxicity - single exposure, Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>3.8/3</td>
<td>Specific target organ toxicity - single exposure, Category 3</td>
</tr>
</tbody>
</table>

Paragaphs modified from the previous revision:

SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 8: Exposure controls/personal protection
SECTION 11: Toxicological information
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) Nr. 1272/2008</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosols 1, H222+H229</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT SE 3, H336</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

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
- 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 Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
INCI: International Nomenclature of Cosmetic Ingredients.
KSI: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average.
WGK: German Water Hazard Class.