



Safety Data Sheet

LEAFING ORO-RAME-ORO DUCATO/DORATURA SPRAY

Safety Data Sheet dated 13/12/2012, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: LEAFING ORO-RAME-ORO DUCATO/DORATURA SPRAY

Trade code: 70.0018

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)

ARECO ITALIA SPA TEL. +39 029085372 - +39 029086270

Competent person responsible for the safety data sheet:

info@arecoitalia.it

1.4. Emergency telephone number

ARECO ITALIA SPA TEL. +39 029085372 - +39 029086270

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



F+

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.

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.

Special Provisions:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

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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:

20% - 25% propane

Index number: 601-003-00-5, CAS: 74-98-6, EC: 200-827-9

F+; R12; substance with a Community workplace exposure limit



2.2/1 Flam. Gas 1 H220



2.5 Press. Gas H280

10% - 12.5% o-xylene

Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7

Xn,Xi; R10-20/21-38



2.6/3 Flam. Liq. 3 H226



3.2/2 Skin Irrit. 2 H315



3.1/4/Dermal Acute Tox. 4 H312



3.1/4/Inhal Acute Tox. 4 H332

10% - 12.5% 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



2.5 Press. Gas H280

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



2.5 Press. Gas H280

1% - 3% acetone; propan-2-one; propanone

Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2

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F,Xi; R11-36-66-67



2.6/2 Flam. Liq. 2 H225



3.3/2 Eye Irrit. 2 H319



3.8/3 STOT SE 3 H336

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.

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.

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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

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

VLE short - 1000 ppm

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

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

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

DNEL Exposure Limit Values

N.A.

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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:

Not needed for normal use.

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: Characteristic 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 explosive limits: N.A.

Vapour density: > of air.

Flash point: Inf. 0 ° C

Evaporation rate: N.A.

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.

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

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- 10.3. Possibility of hazardous reactions
It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.
It may catch fire on contact with powerful oxidising agents.
- 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:
o-xylene - CAS: 1330-20-7
LD50 (RAT) ORAL: 5000 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;
- 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

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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: 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
ADR - Hazard identification number: -
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 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)

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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 = 581.20 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

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.

R36 Irritating to eyes.

R38 Irritating to skin.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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

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CAS:	Dangerous Goods by Road. 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).
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.
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.:	