

## Safety Data Sheet GRASSO CHIARO SPRAY



Safety Data Sheet dated 20/12/2012, version 1

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

- 1.1. Product identifier  
Mixture identification:  
Trade name: GRASSO CHIARO SPRAY  
Trade code: 80.0010
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 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  
Xi Irritant
- R Phrases:  
R12 Extremely flammable.  
R37 Irritating to respiratory system.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

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

#### 2.2. Label elements



- Symbols:  
Xi Irritant  
F+ Extremely flammable
- R Phrases:  
R12 Extremely flammable.  
R37 Irritating to respiratory system.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.
- S Phrases:  
S2 Keep out of reach of children.  
S23 Do not breathe spray.  
S25 Avoid contact with eyes.

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S43 In case of fire, use vaporized water or foam.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
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.  
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

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### 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:

30% - 40% Low boiling point naphtha - unspecified

Index number: 649-356-00-4, CAS: 64742-95-6, EC: 265-199-0

Xi; R37-10-66-67



3.6/1B Carc. 1B H350



3.5/1B Muta. 1B H340



3.10/1 Asp. Tox. 1 H304

DECLP\*

25% - 30% 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

12.5% - 15% 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

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 2.5 Press. Gas H280

3% - 5% n-butyl acetate

Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1

R10-66-67; substance with a Community workplace exposure limit

 2.6/3 Flam. Liq. 3 H226

 3.8/3 STOT SE 3 H336

\*DECLP: Substance classified accordingly to Note P of the Annex I of directive 67/548/EEC. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1% weight/weight of benzene

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#### 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.

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:

In case of inhalation, consult a doctor immediately and show him packing or label.

##### 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

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#### 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

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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.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove all sources of ignition.
  - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
  - Provide adequate ventilation.
  - Use appropriate respiratory protection.
  - 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

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Use localized ventilation system.
  - 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

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - propane - CAS: 74-98-6
    - TLV TWA - 1000 ppm - 0 mg/m<sup>3</sup>
    - VLE short - 1000 ppm

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butane - CAS: 106-97-8  
TLV TWA - 1000 ppm  
butane - CAS: 75-28-5  
TLV TWA - 1000 ppm - 0 mg/m<sup>3</sup>  
VLE short - 1000 ppm  
n-butyl acetate - CAS: 123-86-4  
TLV TWA - ppm 150  
TLV STEL - ppm 200

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 respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

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## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Liquid aspect (under pressure), colourless.

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

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Miscibility: N.A.  
Fat Solubility: N.A.  
Conductivity: N.A.  
Substance Groups relevant properties N.A.

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#### 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.

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#### 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:  
N.A.  
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.

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#### 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

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- 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.

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#### SECTION 14: Transport information

- 14.1. UN number  
14.2. UN proper shipping name  
ADR-Shipping Name: \*ENTER PROPER SHIPPING NAME\*  
IATA-Shipping Name: \*ENTER PROPER SHIPPING NAME\*  
IMDG-Shipping Name: \*ENTER PROPER SHIPPING NAME\*  
14.3. Transport hazard class(es)  
ADR-Class: 2 5F  
IATA-Class: 2.1  
IMDG-Class: 5  
IMDG-Class: 5  
14.4. Packing group  
14.5. Environmental hazards  
14.6. Special precautions for user  
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
N.A.

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#### 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 Organic compounds - VOCs = 574.31 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)

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15.2. Chemical safety assessment  
No

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#### SECTION 16: Other information

Text of phrases referred to under heading 3:

R10 Flammable.  
R12 Extremely flammable.  
R37 Irritating to respiratory system.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

H350 May cause cancer.  
H340 May cause genetic defects.  
H304 May be fatal if swallowed and enters airways.  
H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.  
H226 Flammable liquid and vapour.  
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 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).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.



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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.:	