Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/enterprise

1.1 Identification

Code:	**ESS19032005GIA**
Product name	**Olè RESSENZA GIALLA**
Description	Super-concentrated watery mixture of natural and synthetic substances with polyvalent function.

1.2 Recommended use and restrictions on use

Use	**Professional use only.** To be used for detergency, sanitation, deodorization, fragrance giving and dust removal from environments and surfaces. **Usage**: 1 spray (1 ml) of product in 1 l of water to clean and deodorize any washable surface; 1 spray into drains to neutralize unpleasant odours; sprayed one time on a cloth to dust furniture and frequently used objects.
	RESTRICTIONS ON USE: DO NOT directly spray it in the environment, but vaporize it from a distance of 20 cm on a surface/tissue/water container to minimize the possible insurgence of respiratory allergenic reactions. DO NOT breath the vapour or the aerosol of pure product. It is recommended NOT to use the product for purposes other than those provided.

1.3 Details of the supplier of the safety data sheet

Name	RUBINO CHEM S.r.l.
Full address	Via Vigili del Fuoco Caduti in Servizio, 14/s INT.4
District and Country	70026 Modugno
	tel. (+39) 080 5035348
	Fax (+39) 080 5008545
E-mail of the responsible person for the Safety Data Sheet	customerservice@rubinochem.it
Manufacturer	RUBINO CHEM S.r.l.

1.4 Emergency telephone number

For urgent inquiries refer to:	NHS 111 service if you urgently need medical help or advice but it's not a life-threatening situation. For immediate, life-threatening emergencies, continue to call 999.

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin sensitization, category 1	H317	May cause an allergic skin reaction.

	Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2 Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: Warning

Hazard statements:

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains: Limonene, Citral, Linalool, Coumarin, Geraniol, Amyl Cinnamal, Hexyl Cinnamal, Citronellol, Benzyl Salicylate, Caryophyllene. **May produce an allergic reaction.**

Precautionary statements:

P102	Keep out of the reach of children.
P261	Avoid breathing vapours and spray.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313+P312	If skin irritation or rash occurs: Get medical advice / attention. Call a POISON CENTER if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance to national law.

2.3 Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrelevant information. The product is a mixture.

3.2 Mixtures

Contains:

Identification	**Concentration (%)**	**Classification EC 1272/2008 (CLP)**
CITRAL CAS 5392-40-5 EC 226-394-6	1 - 2	Skin Irrit. 2 H315, Skin Sens. 1 H317.
D-LIMONENE CAS 5989-27-5 EC 227-813-5	0,1 - 1	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 1 H410,

	Quaternary ammonium compounds, benzyl-C12-14 (even-numbered)-alkyldimethyl, chlorides CAS 68424-85-1 CE 207-325-2	0,25 – 0,5	Acute Tox. 4 H302, Skin Corr. 1B H314, Aquatic Acute 1 H400, Aquatic Chronic 1 H410
	1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLCYCLOPENTA-GAMMA-2-BENZOPYRAN CAS 1222-05-5 CE 214-946-9	0,1-0,5	Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
	3,7-dimethylocta-1,6-dien-3-ol CAS 78-70-6 CE 201-134-4	0,1 – 0,5	Skin Irrit. 2 H315, Skin Sens. 1 H317 Eye Irrit. 2 H319
	CUMARINA CAS 91-64-5 CE 202-086-7	0,1 - 0,5	Acute Tox. 4 H302, Skin Sens. 1 H317 Aquatic Chronic 3 H412
	HEXAN-1-OL CAS 111-27-3 CE 203-852-3	0,1 - 0,5	Flam. Liq. 3 H226, Acute Tox. 4 H302, Harmful in contact with skin H312 Eye Irrit. 2 H319
	Geraniolo CAS 106-24-1 CE 203-377-1	0,1 - 0,5	Skin Irrit. 2 H315, Skin Sens. 1 H317 Eye Irrit.1 H318
	1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE CAS 1506-02-1 CE 216-133-4	0,1 - 0,2	Acute Tox. 4 H302, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
	VANILLIN CAS 121-33-5 CE 204-465-2	0,1 - 0,5	Eye Irrit. 2 H319
	Benzyl salicylate CAS 118-58-1 CE 204-262-9	>0,1	Aquatic Chronic 3 H412 Skin Sens. 1 H317 Eye Irrit.2 H319
	Note: Upper limit is not included into the range. The full wording of hazard (H) phrases is given in section 16 of the sheet.		

SECTION 4. First aid measures

4.1 Description of first aid measures

EYES	Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.
SKIN	Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.
INHALATION	Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

	INGESTION	Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorized by a doctor.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication in case of emergency of medical and special treatments

Information not available.

SECTION 5. Firefighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT	Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT	Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

Precautions for safe handling

7.1 Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2 **Conditions for safe storage, including any incompatibilities**

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3 **Specific end use(s)**

Information not available.

SECTION 8. Exposure controls/personal protection

8.1 **Control parameters**

Information not available.

8.2 **Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.
Provide an emergency shower with face and eye wash station.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties.

9.1 **Information on basic physical and chemical properties**

Appearance	WHITE LIQUID
Odour	SCENTED FRAGRANCES
Odour threshold	Not available
pH	6.6± 0.1

	Melting point / freezing point	Not available
	Initial boiling point or boling range	100.5 ± 0.5 (°C)
	Flash point	> 60 °C
	Evaporation rate	Not available.
	Flammability (solid, gas)	Not available.
	Upper/ Lower inflammability or explosive limit	Not available.
	Vapour pressure	Not available.
	Vapour density	1.003 ± 0.001
	Relative density	Not available.
	Solubility	Solubility in water
	Partition coefficient: n-octanol/water	Not available.
	Auto-ignition temperature	Not available.
	Decomposition temperature	Not available
	Viscosity	1.8 ± 0.1
	Explosive properties	Not available.
	Oxidising properties	Not available.
9.2	**Other information**	
	VOC (Directive 1999/13/CE)	0.07 ± 0.02 (g COV / g sample) (equal to: 7% ± 2%)

SECTION 10. Stability and reactivity.

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

10.5 Incompatible materials.

Information not available.

10.6 Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.
This product contains sensitizing substance/s and may cause allergic reactions.

Toxicological information about component substances:

Substance: **CITRAL**	
LD50 (Oral)	4960 mg/kg Rat
LD50 (Dermal)	2250 mg/kg Rabbit

SUBSTANCE: **HEXYL ACETATE**	
LD50 (Oral)	42000 mg/kg Rat
LD50 (Dermal)	> 5000 mg/kg Rabbit

Substance: **COUMARIN**	
LD50 (Oral)	196 mg/kg Rat

Substance: **D-LIMONENE**	
LD50 (Oral)	4400 mg/kg Rat
LD50 (Dermal)	> 2000 mg/kg Rabbit

Substance: **1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLCYCLOPENTA-GAMMA-2-BENZOPYRAN**	
LD50 (Oral)	>3000 mg/kg rat
LD50 (Dermal)	>6500 mg/kg Rat
LD50 (inhalation)	>3000 mg/kg Rat

SECTION 12. Ecological information.

This product is dangerous for the environment and the aquatic organisms with long term negative effects on the aquatic environment.

12.1 Toxicity

1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLCYCLOPENTA-GAMMA-2-BENZOPYRAN	LC50	Pesci	0,47 mg/l /96h	Lepomis macrochirus
	EC50	Dafnie	0,3 mg/l/48h	Daphnia magna
HEXYL ACETATE	LC50	Fish	4,4 mg/l/96h	Pimephales promelas
D-LIMONENE	LC50	Fish	0,702 mg/l/96h	P.promelas
	EC50	Crustacean	0,421 mg/l/48h	Daphnia magna

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	Partition coefficient: n-octanol/water: 2

12.4 Mobility in soil

Information not available.

12.5 Results of PBT and vPvB assessments

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6 Other adverse effects

Information not available

SECTION 13. Disposal considerations.

13.1 **Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING	Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1 **UN number**

Not applicable.

14.2 **UN proper shipping name**

Not applicable.

14.3 **Transport hazard class(es)**

Not applicable.

14.4 **Packing group.**

Not applicable.

14.5 **Environmental hazards**

Not applicable.

14.6 **Special precautions for user**

Not applicable.

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

Information not relevant.

SECTION 15. Regulatory information

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso Category	None
Restrictions on the product or substances contained under Annex 17 Regulation (EC) 1907/2006	Product: Point 3
Substances in Candidate List (Art. 59 REACH)	None
Substances subject to authorization (Exhibit XIV REACH)	None
Substances subject to export notification duty Reg. (CE) 649/2012	None
Substances subject to the Rotterdam Convention	None
Substances subject to the Stockholm Convention	None
Health Checks	Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

	Ingredients in accordance with CE Regulation N.648/2004	Non-ionic and cationic surfactants (<5%) ; Perfumes (5%-15%); Perfumes: Limonene, Citral, Linalool, Coumarin, Geraniol, Amyl Cinnamal, Hexyl Cinnamal, Citronellol, Benzyl Salicylate Preservatives: Methylchloroisothiazolinone And Methylisothiazolinone (CAS 55965-84-9) The surfactant(s) contained in this preparation is (are) in compliance with with the biodegradability criteria established by Regulation (EC) Nr . 648/2004 on detergents.

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
Flam. Sol. 1	Flammable solid, category 1
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Legend:

-ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
-CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%

- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

BIBLIOGRAFIA GENERALE:	
1.	Regulation (EU) 1907/2006 (REACH) of the European Parliament
2.	Regulation (EU) 1272/2008 (CLP) of the European Parliament
3.	Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4.	Regulation (EU) 2015/830 of the European Parliament
5.	Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6.	Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7.	Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8.	Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9.	Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10.	The Merck Index. - 10th Edition
11.	Handling Chemical Safety
12.	INRS - Fiche Toxicologique (toxicological sheet)
13.	Patty - Industrial Hygiene and Toxicology
14.	N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15.	ECHA website

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:All sections