

# SAFETY DATA SHEET – DINAMO GROUP SRLS

Complies with EC Regulation No. 878/2020

**Product** AROMA V4 10ML 003815/F

**Version:** 2

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

### 1.1. Product identifier

**Trade name:** AROMA V4 10ML 003815/F(Contains:Acetyl propionyl, Veratraldehyde)

**Other identifier:** LR003815F

Relevant identified uses of the substance or mixture and uses advised against Product uses Unique Formula Identifier (UFI): 5VUJ-DPXA-QX1X-J5QT

Aromas

**Uses not recommended:** Fragrances

### 1.2. Details of the supplier of the safety data sheet Company

**name** DINAMO GROUP SRLS

**Company address:**  
VIA ALDO MORO, 153,  
21028 TRAVEDONA MONATE (VA)  
ITALIA

**Contact:** Office

**E-mail address:** dinamogroupsrls@gmail.com

### 1.3. Emergency telephone number

**Emergency telephone:**

Osp. Pediatrico Bambino Gesù Roma, Piazza Sant'Onofrio, 4 00165 tel. 06 68593726  
- Az. Osp. Univ. Foggia V.le Luigi Pinto, 1 71122 tel. 0881 732326  
- Az. Osp. A. Cardarelli Napoli, Via A.Cardarelli,9 80131 tel. 081 7472870  
- Policlinico Umberto I Roma, V.le del Policlinico, 155 161 tel. 06 49978000  
- Policlinico A.Gemelli Roma, Largo Agostino Gemelli, 8 168 tel. 06 3054343  
- Osp. Careggi U.O. Toss. Medica Firenze Largo Brambilla, 3 50134 tel. 055 7947819  
- Centro Nazionale di Informazione Tossicologica Pavia Via Salvatore Maugeri, 10 27100  
tel. 0382 24444  
- Osp. Niguarda Ca' Granda Milano Piazza Ospedale Maggiore, 3 20162 tel. 02 66101029  
- Az. Osp. Papa Giovanni XXII Bergamo Piazza OMS, 1 24127 tel. 800883300

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

**Hazard class and category:**

Serious eye damage/eye irritation, hazard category 2 Skin sensitisation, hazard category 1  
H317, May cause allergic skin reaction. H319, Causes severe eye irritation.

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## 2.2. Label Elements

### Classification according to Regulation (EC) No 1272/2008

**Warning** Warning**Hazard statement** H317, May cause allergic skin reaction.  
H319, Causes severe eye irritation.**Additional information:** EUH208, Contains Anisyl alcohol, Methylcyclopentenolone. May cause allergic reaction.**Precautionary statements:** P261, Avoid breathing dust/fume/gas/mist/vapours/spray.

P264, Wash thoroughly after use.

P272, Contaminated work clothes should not be worn outside the workplace. P280, Wear protective gloves/protective clothing/eye protection/face protection.

P302/352, IF ON SKIN: Wash thoroughly with soap and water.

P305/351/338, IF IN EYE CONTACT: rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do so. Continue rinsing.

P333/313, If skin irritation or rash occurs: Get medical advice. P337/313, If eye irritation persists: Get medical advice.

P363, Wash contaminated clothing before reuse. P501, Dispose of contents/container to: approved site.

**Pictograms**

## 2.3. Other dangers

**2.3. Other hazards** None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Contains:**

Name	CAS	CE	REACH	%	Classification according to the Regulation (EC) No 1272/2008	Specific Conc. Limits, M-factors and ATEs
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Ethyl vanillin	121-32-4	204-464-7	01-2119958961-24-XXXX	5-<10%	Eye Irrit. 2;H319,-	dermal: ATE = 2000.01 mg/kg bw-oral: ATE = 3160.01 mg/kg bw
Vanillin	121-33-5	204-465-2	01-2119516040-60-XXXX	5-<10%	Eye Irrit. 2;H319,-	
Ethyl maltol	4940-11-8	225-582-5	01-2120758795-36-XXXX	1-<5%	Acute Tox. 4;H302,-	dermal: ATE = 5000.01 mg/kg bw-oral: ATE = 1220 mg/kg bw
Natural Acetoin	513-86-0	208-174-1	01-2120810388-54-XXXX	1-<5%	Flam. Liq. 3-STOT RE 2;H226-H373,-	oral: ATE = 2000.01 mg/kg bw
Acetyl propionyl	600-14-6	209-984-8		1-<5%	Flam. Liq. 2-Eye Dam. 1-Skin Sens. 1-STOT RE 2;H225-H317-H318-H373,-	dermal: ATE = 2500 mg/kg bw-oral: ATE = 3000 mg/kg bw
Veratraldehyde	120-14-9	204-373-2	01-212073621-56-XXXX	1-<5%	Acute Tox. 4-Skin Sens. 1;H302-H317,-	oral: ATE = 2000 mg/kg bw
Anisyl alcohol	105-13-5	203-273-6		0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1;H302- H315-H317,-	dermal: ATE = 11130 mg/kg bw-oral: ATE = 5000 mg/kg bw
Methylcyclopentenolone	765-70-8	212-154-8		0.1-<1%	Acute Tox. 4-Eye Dam. 1-Skin Sens. 1;H302- H317-H318,-	oral: ATE = 1067.4 mg/kg bw
Acetic acid	64-19-7	200-580-7	01-2119475328-30-XXXX	0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Corr. 1A-Eye Dam. 1;H226-H312-H314-H318,-	Eye Irrit. 2; H319; C ≥ 10%-Skin Corr. 1A; H314; C ≥ 90%-Skin Corr. 1B; H314; C ≥ 25%-Skin Irrit. 2; H315; C ≥ 10%-oral: ATE = 3310 mg/kg bw

**Substances with a Community workplace exposure limit**

Name	CAS	CE	REACH	%	Classification according to Regulation (EC) No 1272/2008	Specific Conc. Limits, M-factors and ATEs
Benzaldehyde	100-52-7	202-860-4	01-2119455540-44-XXXX	0.1-<1%	Acute Tox. 4;H302,-	dermal: ATE = 2000.01 mg/kg bw-oral: ATE = 1430 mg/kg bw
Ethyl acetate	141-78-6	205-500-4		0.1-<1%	Flam. Liq. 2-Eye Irrit. 2- STOT SE 3;H225-H319-H336,-	dermal: ATE = 20000.01 mg/kg bw-oral: ATE = 5620 mg/kg bw
Propane-1,2-diol (E 1520)	57-55-6	200-338-0	01-2119456809-23-XXXX	50-100%	-;-,-	dermal: ATE = 2000.01 mg/kg bw-oral: ATE = 22000 mg/kg bw

**Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:**

Not applicable

**Persistent, bioaccumulative and toxic or very persistent and very bioaccumulative substances above 0.1 %:**

Not applicable

**SECTION 4: First Aid Measures****4.1. Description of first aid measures****Inhalation:** Move the casualty to fresh air, keep him at rest and consult a doctor.

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**Exposure of the eyes:** IF IN EYES: Rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do so. Continue rinsing.

**Skin exposure:** IF ON SKIN: Wash thoroughly with soap and water.

**Ingestion:** Rinse mouth with water and seek medical advice.

## 4.2. Main symptoms and effects, both acute and delayed

May cause allergic skin reaction. Causes severe eye irritation.

## 4.3. Indication of any need for immediate medical attention and special treatment

None expected; see section 4.1 for further information.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable media: Carbon dioxide, dry chemical, foam.

### 5.2. Special hazards arising from the substance or mixture

In the event of a fire, possible release of: Carbon monoxide, unidentified organic compounds.

### 5.3. Recommendations for firefighters

In case of insufficient ventilation, use suitable respiratory equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhaling the product. Avoid contact with eyes and skin. See protective measures in sections 7 and 8.

### 6.2. Environmental precautions

Keep away from drains, surface and ground water and soil.

### 6.3. Methods and materials for containment and remediation

Eliminate ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spills immediately using sand or inert powder. Dispose of according to local regulations in force.

### 6.4. Reference to other sections

See also sections 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Keep away from heat, sparks, open flames and hot surfaces. - Do not smoke. Use personal protective equipment as necessary. Use in accordance with good manufacturing and industrial hygiene practices. Use in adequately ventilated areas. Do not eat, drink or smoke while using the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store in a cool place. Ground/ground the container and the receiving device. Use explosion-proof electrical, ventilation and lighting equipment. Use only non-sparking tools. Take precautions against electrostatic discharge.

### 7.3. Specific end uses

Flavourings: Use in accordance with good manufacturing and industrial hygiene practices.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits:

Name	CAS	CE	Description	Value
Benzaldehyde	100-52-7	202-860-4	Long-term exposure limit (8 hours TWA) (ppm)	1
			Long-term exposure limit (8 hours TWA) (mg/m3)	4,4
			Short-term exposure limit (15 minutes) (ppm)	4
			Short-term exposure limit (15 minutes) (mg/m3)	17,4
Ethyl acetate	141-78-6	205-500-4	Long-term exposure limit (8 hours TWA) (ppm)	200
			Short-term exposure limit (15 minutes) (ppm)	400
Propane-1,2-diol (E 1520)	57-55-6	200-338-0	Long-term exposure limit (8 hours TWA) (ppm)	150
			Long-term exposure limit (8 hours TWA) (mg/m3)	474

### 8.2. Exposure controls Skin/eye protection

Wear protective gloves/eye protection/face protection

### Breathing apparatus

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Ensure adequate continuous ventilation to prevent excessive vapour accumulation and ensure compliance with occupational exposure limits. If appropriate and depending on one's own methods and extent of use, the following technical control measures may be required as additional protective measures (a) isolation of mixing bays and other areas where material is used or handled freely; maintaining these areas at a lower air pressure than the rest of the plant; (b) use of personal protective equipment, such as a suitably equipped and approved respirator with organic vapour cartridge or filter cartridges and dust filters; (c) use of a local exhaust ventilation system around open tanks and other open sources of potential exposure, to prevent excessive inhalation of the product, including places where material is freely weighed or measured; use of a dilution ventilation system of the work area, to eliminate or reduce possible exposure of personnel; (d) use of closed systems for material transfer and processing.

See also sections 2 and 7.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State/Colour:</b>	yellow liquid // yellow liquid
<b>Odour:</b>	characteristic // characteristic
<b>Odour threshold:</b>	Not determined
<b>Melting point/freezing point</b>	Not determined
<b>Boiling point or initial boiling point and boiling range:</b>	> 250,0 °C
<b>Flammability:</b>	Not determined
<b>Lower and upper explosion limit:</b>	Not determined
<b>Flash point:</b>	> 61 °C
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature:</b>	Not relevant
<b>pH:</b>	Not determined
<b>Kinematic viscosity:</b>	Not determined
<b>Solubility:</b>	Solubility in organic solvents Soluble in ethanol. Insoluble in water.
<b>Partition coefficient: n-octanol/water (log value):</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Density and/or relative density:</b>	> 0,8000
<b>Relative vapour density:</b>	Not determined
<b>Particle characteristics:</b>	Not determined

**9.2. Other information:** None available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

It presents no significant reactivity hazard, either alone or in contact with water.

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## 10.2. Chemical stability

Good stability under normal storage conditions.

## 10.3. Possibility of dangerous reactions

Not expected under normal conditions of use.

## 10.4. Conditions to avoid

Avoid extreme heat.

## 10.5. Incompatible materials

Avoid contact with strong acids, alkalis or oxidising agents.

## 10.6. Hazardous decomposition products

Not foreseen.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This mixture has not been fully tested for health effects. These were calculated using the methods described in Regulation (EC) No 1272/2008 (CLP).

<b>Acute toxicity:</b>	Based on available data, the classification criteria are not met.
acute oral	toxicity>5000
acute dermal toxicity	2427
acute inhalation toxicity	Not available.
<b>skin corrosion/irritation: severe eye damage/serious eye irritation: respiratory sensitisation or skin:</b>	Based on available data, the classification criteria are not met. Serious eye damage/eye irritation, hazard category 2
<b>germ cell mutagenicity:</b>	Skin sensitisation, hazard category 1
<b>carcinogenicity:</b>	Based on the available data, the classification criteria are not met.
<b>reproductive toxicity:</b>	Based on the available data, the classification criteria are not met.
<b>specific target organ toxicity (STOT) - single exposure: specific target organ toxicity (STOT) - repeated exposure</b>	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

**hazard if aspirated:** Based on available data, the classification criteria are not met.

### Information on hazardous ingredients in the mixture

Name	CAS	CE	Oral LD50/ATE	LD50/ATE cutaneous	LC50/ATE inhalation	LC50, route of
Ethyl maltol	4940-11-8	225-582-5	1220	5000,01	Not available.	Not available.
Veratraldehyde	120-14-9	204-373-2	2000	Not available.	Not available.	Not available.

Please refer to sections 2 and 3 for further information.

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Not applicable

**SECTION 12: Ecological Information****12.1. Toxicity** Not available.**12.2. Persistence and degradability** Not available.**12.3. Bioaccumulative potential** Not available.**12.4. Mobility in soil** Not available.**12.5. Results of PBT and vPvB assessment**

Substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**12.6 Endocrine disrupting properties:** Not applicable**12.7 Other adverse effects** Not available.**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Dispose of according to local regulations in force. Avoid disposal into drains and the environment. Empty containers must be handed over to an authorised waste management centre for recycling or disposal.

**SECTION 14: Transport Information**

	<b>14.1. UN Number</b>	<b>14.2. UN proper shipping name</b>	<b>14.3 Transport Hazard Classes</b>	<b>Secondary risk:</b>	<b>14.4. Packaging Group</b>
<b>UN Model Regulations</b>	Not classified	-	-	-	-
<b>IMDG</b>	Not classified	-	-	-	-
<b>ADR,RID,ADN</b>	Not classified	-	-	-	-
<b>ICAO TI</b>	Not classified	-	-	-	-

**14.5. Environmental Hazards** Not classified as environmentally hazardous transport.**14.6. Special precautions for users** None more**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not classified

**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations and legislation specific to the substance or mixture**

Level of potential contamination 1



water (WGK):

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## 15.2. Chemical Safety Assessment

A chemical safety assessment was not carried out for this product.

## SECTION 16: Other information

**Concentration limits %:** EDI 2=34.34% SS 1=76.92%

**Total fractional values:** EDI 2=2.91 SS 1=1.30

### Revision legend:

SECTION 3: Composition/information on ingredients

### Legend of abbreviations:

Abbreviation	Meaning
Acute Tox. 4	Acute toxicity (oral), hazard category 4
Acute Tox. 4	Acute toxicity (dermal), hazard category 4
Eye Dam. 1	Serious eye injury/eye irritation, hazard category 1
Eye Irrit. 2	Serious eye injury/eye irritation, hazard category 2
Flam. Liq. 2	Flammable Liquids, Hazard Category 2
Flam. Liq. 3	Flammable Liquids, Hazard Category 3
H225	Highly flammable liquids and vapours.
H226	Flammable liquids and vapours.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	It may cause an allergic skin reaction.
H318	Causes serious eye injuries.
H319	Causes severe eye irritation.
H373	May cause organ damage with prolonged or repeated exposure.
P210	Keep away from heat sources/sparks/open flames/heated surfaces. -Do not smoke.
P233	Keep the container tightly closed.
P240	Ground/ground the container and the receiving device.
P241	Use electrical/ventilation/lighting/explosion-proof systems.
P242	Use only non-sparking tools.
P243	Take precautions against electrostatic discharge.
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P261	Avoid breathing dust/fumes/gas/mist/vapours/aerosols.
P264	Wash thoroughly after use.
P270	Do not eat, drink or smoke during use.
P272	Contaminated work clothes must not be taken out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301/312	IF INGESTION accompanied by discomfort: contact a POISON CENTRE or doctor.

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P301/330/331	IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
P302/352	IF ON SKIN: Wash thoroughly with soap and water.
P303/361/353	IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin/shower.
P304/340	IN CASE OF INHALATION: Remove the casualty to fresh air and keep him or her at rest in a position conducive to breathing.
P305/351/338	IF IN EYES: Rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do so. Continue rinsing.
P310	Contact a POISON CENTRE or doctor immediately.
P314	If you feel unwell, consult a doctor.
P330	Rinse the mouth.
P333/313	In case of skin irritation or rash: consult a doctor.
P337/313	If eye irritation persists, consult a doctor.
P362	Remove contaminated clothing and wash it before wearing it again.
P363	Wash contaminated clothing before wearing it again.
P370/378	In case of fire: extinguish with: Foam,Chemical powder,Carbon dioxide.
P403/235	Store in a cool, well-ventilated place.
P405	Store under lock and key.
P501	Dispose of product/container at: approved site.
STOT RE 2	Specific target organ toxicity (repeated exposure), hazard category 2
Skin Corr. 1A	Skin corrosion/irritation, hazard category 1A
Skin Irrit. 2	Skin corrosion/irritation, hazard category 2
Skin Sens. 1	Skin sensitisation, hazard category 1

Restriction of use recommended by the manufacturer:

FOR INDUSTRIAL USE ONLY - NOT A PRODUCT FOR THE PUBLIC.

The given data are based on our current knowledge and experience and describe the product in terms of safety; they do not represent any guarantee of the product characteristics and do not substantiate any legal-contractual relationship. Therefore, the manufacturer assumes no liability whatsoever arising from irresponsible, improper or illegal use, direct or indirect, claims for damages of any kind whatsoever, of the product presented or sold.

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