

According to Regulation ST/SG/AC.10/30/UN GHS Latest Revision

Issuing Date 13-Jun-2024

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Revision Number 1

**1. Identification****Product identifier**

**Product Code** R23-2194-17  
**Product Name** AG10 VS EDP SOLUTION

**Recommended use of the chemical and restrictions on use**

**Recommended use** Aromatic Ingredient(s). For Industrial Use Only.

**Supplier's details****Supplier**

Robertet, Inc.  
Fragrance Division  
400 International Drive  
Mount Olive, NJ 07828 USA  
TEL: 201-405-1000  
E-mail: regfrag@robertetusa.com

**Emergency telephone number**

**Emergency Telephone** Chemtrec: +1 703 527 3887

**2. Hazard(s) identification****Classification of the substance or mixture**

Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 3
Flammable liquids	Category 3

**GHS Label elements, including precautionary statements****Signal word**

Warning

**Hazard statements**

H316 - Causes mild skin irritation  
H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation  
 H412 - Harmful to aquatic life with long lasting effects  
 H226 - Flammable liquid and vapor

**Precautionary statements**

P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337 + P313 - If eye irritation persists: Get medical advice/attention  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P272 - Contaminated work clothing should not be allowed out of the workplace  
 P302 + P352 - IF ON SKIN: Wash with plenty of water and soap  
 P321 - Specific treatment (see supplemental first aid instructions on this label)  
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P362 + P364 - Take off contaminated clothing and wash it before reuse  
 P501 - Dispose of contents/ container to an approved waste disposal plant  
 P273 - Avoid release to the environment  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 P233 - Keep container tightly closed  
 P240 - Ground and bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
 P242 - Use non-sparking tools  
 P243 - Take action to prevent static discharges  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]  
 P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or regular foam to extinguish  
 P403 + P235 - Store in a well-ventilated place. Keep cool  
 P501 - Dispose of contents/container to industrial incineration plant

**Other hazards which do not result in classification**

No information available.

**3. Composition/information on ingredients**

Chemical name	CAS No.	Weight-%	GHS Classification
Ethyl alcohol	64-17-5	70 - 80	Flam. Liq. 2 (H225) Eye Irrit. 2A (H319)
Methyl dihydrojasmonate	24851-98-7	5.0 - 10	Aquatic Acute 3 (H402)
Ethylene brassylate	105-95-3	5.0 - 10	Aquatic Acute 2 (H401)
1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone	54464-57-2	1.0 - 5.0	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
omega-Pentadecalactone	106-02-5	0.1 - 1.0	Skin Irrit. 3 (H316) Skin Sens. 1B (H317) Aquatic Chronic 2 (H411) Aquatic Acute 2 (H401)
Ethyl hexyl salicylate	118-60-5	0.1 - 1.0	Aquatic Chronic 1 (H410)

**4. First-aid measures****Description of necessary first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air.

<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. Clean mouth with water and drink afterwards plenty of water.

**For emergency responders**

<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.
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**Most important symptoms/effects, acute and delayed**

<b>Symptoms</b>	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.
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**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Note to physicians</b>	May cause sensitization in susceptible persons. Treat symptomatically.
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**5. Fire-fighting measures****Suitable Extinguishing Media**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
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**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
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**Specific hazards arising from the chemical**

<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.
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**Special protective actions for fire-fighters**

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the
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product must be grounded. Do not touch or walk through spilled material.

### Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

## **7. Handling and Storage**

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

## **8. Exposure controls/personal protection**

### Control parameters

Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL	Ontario	European Union	
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	STEL: 1000 ppm	-	
Chemical name	China	Japan Society of Occupational Health	Korea	Australia	Taiwan
Ethyl alcohol 64-17-5	-	-	TWA: 1000 ppm	1000 ppm TWA 1880 mg/m <sup>3</sup> TWA	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1880 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering controls** Showers

Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
<b>Hand protection</b>	Wear suitable gloves. Impervious gloves.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

## 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Physical state</b>	Oily liquid
<b>Appearance</b>	Colorless to light yellow
<b>Odor</b>	Perfume odor
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No information available
<b>Melting point / freezing point</b>		No information available
<b>Boiling point / boiling range</b>	> 35 °C	No information available
<b>Flash point</b>	27 °C / 80 °F	CC (closed cup)
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Vapor Pressure (mm Hg @ 20°C):</b>		No information available
<b>Vapor density</b>		No information available
<b>Relative density</b>		No information available
<b>Specific Gravity @ 20/20 °C</b>	0.8450 - 0.8650	RTM-101
<b>Solubility(ies)</b>		
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity</b>		No information available

#### Other information

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

## 10. Stability and reactivity

#### Reactivity

<b>Reactivity</b>	No information available.
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#### Chemical stability

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None  
**Sensitivity to static discharge** Yes.

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid**

**Conditions to avoid** Heat, flames and sparks.

**Incompatible materials**

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological information

**Information on the likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
<b>Skin contact</b>	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause irritation. Prolonged contact may cause redness and irritation. Causes mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Symptoms</b>	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

**Acute toxicity**

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	> 5000 mg/kg
<b>ATEmix (dermal)</b>	> 5000 mg/kg
<b>ATEmix (inhalation-gas)</b>	> 5000 ppm
<b>ATEmix (inhalation-dust/mist)</b>	> 5000 mg/l
<b>ATEmix (inhalation-vapor)</b>	> 5000 mg/l

**Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Skin corrosion/irritation</b>	May cause skin irritation. Classification based on data available for ingredients.
<b>Serious eye damage/irritation</b>	Classification based on data available for ingredients. Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target organ effects</b>	Liver, Respiratory system, Eyes, Skin, Central nervous system, Blood, Reproductive system.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### Toxicity

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

### Persistence and degradability

No information available.

### Bioaccumulative potential

No information available.

### Mobility

#### **Mobility in soil**

No information available.

#### **Mobility**

No information available.

### Other adverse effects

No information available.

## 13. Disposal considerations

### Disposal methods

#### **Waste from residues/unused products**

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

#### **Contaminated packaging**

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld

containers.

## 14. Transport information

### IATA/CAO

UN/ID no	1266
Proper shipping name	Perfumery products
Hazard class	3
Packing group	III

### IMDG/IMO

UN number	1266
UN proper shipping name	Perfumery products
Transport hazard class(es)	3
Packing group	III
EmS-No	F-E, S-D

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out

#### **Germany**

**Water hazard class (WGK)** obviously hazardous to water (WGK 2)

## 16. Other information

### **Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapor  
 H226 - Flammable liquid and vapor  
 H227 - Combustible liquid  
 H228 - Flammable solid  
 H302 - Harmful if swallowed  
 H303 - May be harmful if swallowed  
 H304 - May be fatal if swallowed and enters airways  
 H313 - May be harmful in contact with skin  
 H315 - Causes skin irritation  
 H316 - Causes mild skin irritation  
 H317 - May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
 H320 - Causes eye irritation  
 H331 - Toxic if inhaled  
 H332 - Harmful if inhaled  
 H335 - May cause respiratory irritation  
 H361 - Suspected of damaging fertility or the unborn child  
 H400 - Very toxic to aquatic life  
 H401 - 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

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Legend SECTION 8: Exposure controls and personal protection**



TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Key literature references and sources for data  
Research Institute of Fragrance Materials (RIFM Database)  
LOLI Database  
Suppliers Information  
IFRA/IOFI Labelling Manual

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**