

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Identification of the substance/mixture:

Trade name : IRONE ALPHA
Substance Name : ALPHA-IRONE
CAS Number: 79-69-6
CE Number: 201-219-6
REACH Registration number: Substance is pre-registered. No registration number is given since the transition period for its registration has not yet expired.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Raw material for the manufacture of fragrances and/or flavourings.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: Ernesto Ventós, SA
Address: Carretera Real, 120 A
08960 Sant Just Desvern - Barcelona - SPAIN
Telephone: (00 34) 934 706 210
Fax: (00 34) 934 733 010
E-mail: info@ventos.com

1.4. Emergency telephone number

(00 34) 934 706 210 (8:30 – 17:30)

2. HAZARDS IDENTIFICATION.

2.1. Classification of the substance or mixture

Classification according to directives 67/548/EEC and 1999/45/EC

Substance/mixture is not classified as dangerous according to Directives 67/548/CEE and 1999/45/CE

Classification according to Regulation (EC) 1272/2008

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

2.2. Label Elements

Labelling according to directives 67/548/EEC and 1999/45/EC

Substance/mixture is not classified as dangerous according to Directives 67/548/CEE and 1999/45/CE

Labelling according to Regulation (EC) 1272/2008

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

2.3. Other hazards

No Information available

3. COMPOSITION/INFORMATION ON INGREDIENTS.

3.1. Substances

Chemical name:ALPHA-IRONE
CAS number:79-69-6
EC number:201-219-6

Hazardous constituents:

Declaration of substances is not required.

3.2. Mixtures

Not applicable

4. FIRST-AID MEASURES

4.1. Description of necessary first aid measures

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Consumption:	Rinse mouth with water. Obtain medical advice.
Eye contact:	Keep at rest. Do not induce vomiting. In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice. Seek medical advice if irritation persists, or if there was tissue damage.
Inhalation:	If inhaled, remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical advice.
Skin contact:	Take off immediately all contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.
Carbon dioxide
Water spray

5.2. Special hazards arising from the substance or mixture

Known or Anticipated Hazardous Products of Combustion.: Emits toxic fumes under fire conditions.

5.3. Advice for firefighters

Other Fire Fighting Considerations: High temperatures can lead to high pressures inside closed containers.
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
Do not allow spillage of fire will be poured into drains or watercourses.

Special Fire Fighting Procedures.: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area.
Avoid inhalation of vapors; use an appropriate respirator.

6.2. Environmental precautions

To avoid possible contamination of the environment, Do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.
Dispose of in accordance with current laws and regulations.

6.4. Reference to other sections

No information available.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
Observe the rules of hygiene and safety at work.
Keep only in the original container.

7.2. Conditions for safe storage, including any incompatibilities

Recommended Packing Materials: To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area.
Keep in glass, suitable plastic, aluminum or laquer-lined containers.
Storage: Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Protect from heat/overheating and light sources.
Keep away from the sources of ignition.
Keep away from incompatible materials (see section of incompatibility).
Prevent access to unauthorized persons
Do not store this material near food or drinking water.
Don't open containers under pressure.

7.3. Specific end use(s)

Usage Precautions: Smoking should not be permitted in work areas.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Declaration of substances is not required.

8.2. Exposure controls

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Hand Protection: Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
Other Personal Protective Wear: Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeshields and protective clothing.
Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment. In the case of brief exposure, use a device filter.
Skin Protection: Light protective clothing recommended. Wash contaminated clothing before reuse. Avoid inhalation and contact with skin and eyes.
Engineering Controls-Ventilation: Do not breath vapors. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Conforms to standard
Odour	Conforms to standard
Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Boiling point/boiling range	109°C (0,36 kPa)
Flash point	110 °C
Evaporation rate	Not determined
Flammability	Not determined
Lower flammability/Explosive limit	Not determined
Upper flammability/Explosive limit	Not determined
Vapour pressure	Not determined
Vapour Density	Not determined
Density	0,931-0,937 g/mL (20°C)
Relative density	0,931-0,937 (20°C)
Water solubility	INSOLUBLE IN WATER
Solubility in other solvents	---
Partition coefficient n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity, dynamic	Not determined
Viscosity, kinematic	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

9.2. Additional information

No information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

None Incompatibilities known

10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No information available.

12.2. Degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

See also paragraphs 6, 7, 13 and 15
Do not allow to get into waste water or waterways.

13. DISPOSAL CONSIDERATIONS.

13.1. Waste treatment methods

Disposal conditions: Dispose of in accordance with all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

14.1. Land Transport (ADR/RID)

Substance / mixture is not classified as hazardous for transport

14.2. Sea Transport (IMDG)

Substance / mixture is not classified as hazardous for transport

14.3. Air Transport (IATA)

Substance / mixture is not classified as hazardous for transport

15. REGULATORY INFORMATION

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

No information available.

15.2. Chemical Safety Assessment

No information available.

16. OTHER INFORMATION

Reason for Change:N/A

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