essedielle
ENOLOGIALIMENTAZIONE
SISTEMA DI GESTIONE PER LA SICUREZZA ALIMENTARE
CERTIQUALITY
UNI EN ISO 22000:2018
OPERATORE CONTROLLATO S 1262
CERTIFICATO ICEA BIOLOGICO
essedielle srl
Loc. Macinini Fraz. Caldari
66026 Ortona (CH)
Num. REA CH-72915
P.IVA e CF: 00639090695
Codice Univoco SUBM70N
Capitale Sociale € 100.000,00

SAFETY DATA SHEET

# SUPERLIQUISOLF 63

Revision No. 5, September 2025; Complies with Reg (EU) 2020/878

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE MANIFACTURING COMPANY

**1.1 Product identification**
**Chemical name:** Ammonium Bisulfite
**Trade names and synonyms:** Superliquisolf 63
**Unique Formula Identifier UFI:** 6E50-T0X8-A00S-AH4K

**1.2 Relevant identified uses of the substance/mixture and uses not recommended**
Food additive, for professional use only.

**1.3 Information about the supplier of the safety data sheet**
essedielle srl
S.P. 538 km. 6,950 - CALDARI
66026 ORTONA (CH)
ITALY
Phone: +39 (0) 85 9031315
Qualified persons responsible for the safety data sheet: laboratorio@essedielle.com

**1.4 Emergency telephone number:** essedielle srl +39 (0) 85 9031315 – 0039 3668134126
Poison Control Center
S.S. Annunziata Hospital – Chieti +39 0871 1551219

## 2. HAZARD IDENTIFICATION

**2.1 Classification of the substance or mixture**
Criteria EC Regulation 1272/2008 (CLP): Danger, Eye Dam. 2, Causes severe eye injury.
**EUH031** Contact with acids releases a toxic gas.
Physicochemical effects harmful to human health and the environment: no other hazards

**2.2 Label elements**
Symbols:

Warning
Indications of Danger:
**H319** Causes severe eye irritation.
Cautionary Statements:
**P264** Wash hands thoroughly after use.
**P271** Use only outdoors or in a well-ventilated place.
**P280** Protect eyes/face: wear goggles with side protection.
**P305+P351+P338** IF IN EYES: rinse thoroughly for several minutes. Remove any contact lenses if it is convenient to do so. Continue to rinse.
**P312** Contact a physician if you feel unwell.
Special Provisions:
**EUH031** Contact with acids liberates toxic gas.
Special provisions according to Annex XVII of REACH and subsequent adaptations: none

**2.3 Other Hazards:** vPvB substances: none - PBT substances: none
Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0.1%

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## 3. COMPOSITION/INGREDIENT INFORMATION

**3.1 Substances**
**Mixture (not applicable)**

**3.2 Mixtures**

| Substance | Concentration | Classification | CAS | EINECS | REACH |
|---|---|---|---|---|---|
| Ammonium Bisulfite | 70% | 3.3/2 Eye Irrit. 2 H319 EUH031 | 10192-30-0 | 233-469-7 | 01- 2119537321 -49-0000 |

## 4. FIRST AID MEASURES

**4.1 Description of first aid measures**
In case of inhalation: remove the casualty to fresh air. If breathing is difficult give oxygen or give artificial respiration.
In case of skin contact: remove contaminated clothing immediately. Immediately wash areas of the body that have come in contact with the toxicant, even if only suspected, with plenty of running water and soap if necessary. Wash the body completely (shower or bath). In case of persistent skin irritation, seek medical attention.
In case of eye contact: wash immediately with running water with open eyelids for at least 15 minutes. Consult an ophthalmologist. Protect the uninjured eye.
In case of ingestion: induce vomiting. Seek immediate medical attention, showing the safety data sheet.

**4.2 Main symptoms and effects, both acute and delayed**
Irritation of the eyes. Eye damage.

**4.3 Indication of any need for immediate medical attention and special treatment**
In case of accident or malaise seek immediate medical attention (show directions for use or safety data sheet if possible).

## 5. FIRE-FIGHTING MEASURES

**5.1 Extinguishing Media**
**Suitable extinguishing media**
Water spray. Carbon dioxide ($CO_2$).
**Extinguishing media that should not be used for safety reasons**
None in particular

**5.2 Special hazards from combustion products**
Do not inhale the gases produced by the explosion and combustion. Sulfur Dioxide.

**5.3 Recommendations for firefighters**
Employ appropriate respiratory equipment. Collect contaminated water used to extinguish the fire separately. Do not discharge it into the sewer system. If feasible from a safety standpoint, move undamaged containers from the immediate danger area.

**5.4 Other information**
Water used in firefighting that is contaminated by the product should be disposed of in accordance with local regulations.

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## 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

**6.1 Personal precautions, personal protective equipment and emergency procedures**
Wear personal protective equipment. Move people to a safe place. Refer to the protective measures set out in section 7 and 8.

**6.2 Environmental precautions**
Prevent penetration into soil/subsoil. Prevent runoff into surface water or sewage system. Retain contaminated wash water and dispose of it. In case of leakage or penetration into waterways, soil or sewage system, inform the responsible authorities. Suitable material for collection: absorbent material, organic, sand.

**6.3 Methods and materials for containment and cleanup**
Small quantities: wash with plenty of water.

**6.4 Reference to other sections**
See also section 8 and 13.

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling**
Do not breathe vapors. Do not use empty containers before they have been cleaned. Make sure there are no remaining incompatible materials in the containers before transfer operations. Contaminated clothing must be replaced before entering dining areas. Do not eat or drink while working. Also refer to section 8 for recommended protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities**
The product is afraid of moisture. Store in a dry environment. Keep away from food, drink and feed.
Incompatible materials: keep away from acids. Keep away from oxidizing agents.
Indication for premises: properly ventilated premises.

**7.3 Specific end uses**
No specific use

## 8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

**8.1 Control parameters**
ACGIH - STEL: 0.25 ppm - Notes: (SO2)
EU - TWA: 0.5 ppm - STEL: 1 ppm - Notes: (SO2)

DNEL Exposure limit values
Industrial worker: 10 mg/m3 - Exposure: Human inhalation - Frequency: Long term, systemic effects
Consumer: 0.901 mg/kg - Exposure: Oral Human - Frequency: Long-term, local effects

PNEC Exposure Limit Values
Target: Freshwater - Value: 1.04 mg/l
Target: Seawater - Value: 0.1 mg/l
Target: Microorganisms in wastewater treatment - Value: 78.6 mg/l

**8.2 Exposure controls**
**Eye protection**
Use safety visors with side protection. Still operate according to good working practices.

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**Skin protection**
Wear clothing that provides full protection for the skin, eg. rubber, PVC or viton.

**Hand protection**
Use appropriate gloves. Protective gloves for chemicals are appropriate, as it has been tested according to UNI EN 420/UNI EN 374.

**Respiratory protection**
Where ventilation is insufficient or exposure is prolonged employ respiratory protective equipment.

**Thermal hazards**
None

**Environmental exposure controls**
None

## 9. PHISICAL AND CHEMICAL PROPERTIES

### 9.1 Information on general physical and chemical properties

| | |
|---|---|
| **Appearance** | Liquid |
| **Color** | Light yellow |
| **Odor** | Pungent |
| **Olfactory threshold** | Not determined |
| **Ph value sol 5%** | 5 |
| **CHANGE OF STATE** | |
| **Melting point/interval** | Not determined |
| **Boiling point/interval** | 105 °C |
| **Flash point** | Not determined |
| **Flammability (solids, gases)** | Not determined |
| **Auto-ignition temperature** | Not determined |
| **Decomposition temperature** | Not determined |
| **Explosive properties** | Not determined |
| **Lower flammability limits** | Not determined |
| **Upper flammability limits** | Not determined |
| **Vapor pressure at 20°C** | Not determined |
| **Density at 20°C** | Not determined |
| **Relative density** | 1.35 Kg /dm$^3$ |
| **Vapor density at 20°C** | Not determined |
| **Evaporation rate** | Not determined |
| **Solubility in/Miscibility with water** | Completely miscible |
| **Specific rotation** | Not determined |
| **Partition coefficient: n-octanol/water** | Not determined |
| **Dynamic Viscosity at 20 °C** | Not determined |
| **Kinematic Viscosity** | Not determined |

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### 9.2 Other information

| | |
|---|---|
| **Molecular mass** | |
| **Conductivity** | Not determined |
| **Liposolubility** | Not determined |
| **Particular properties groups of substances** | None |
| **Other Useful Information** | None |

## 10. STABILITY AND RESPONSIVENESS

### 10.1 Responsiveness
Under normal conditions, it is completely stable to air and light**.**

### 10.2 Chemical Stability
Under normal conditions, it is completely stable to air and light.

### 10.3 Possibility of hazardous reactions
Possible intense with: Reducing agents, Acids

### 10.4 Conditions to avoid
Stable under normal conditions.

### 10.5 Incompatible materials
None.

### 10.6 Hazardous decomposition products
None

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects
Toxicological information regarding the mixture: Superliquisolf 63

a) acute toxicity: not classified. Based on available data, the classification criteria are not met.
b) skin corrosion/irritation: not classified. Based on available data, the classification criteria are not met.
c) serious eye injury/serious eye irritation: the product is classified: Eye 3.32 H319
d) respiratory or skin sensitization: not classified
e) germ cell mutagenicity: not classified
f) carcinogenicity: not classified
g) reproductive toxicity: not classified
h) specific target organ toxicity (STOT) - single exposure: not classified
i) specific target organ toxicity (STOT) - repeated exposure: not classified
j) aspiration hazard: not classified

### 11.2 Endocrine-disrupting properties
Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0.1%.

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## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity**
Use according to good working practices, avoiding dispersal in the environment. Not classified for environmental hazards. Based on available data, the classification criteria are not met.

**12.2 Persistence and degradability**
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

**12.6 Other adverse effects**
None

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**
**PRODUCT**
Dispose of residues in accordance with current regulations through authorized disposers. Recover if possible. Operate in accordance with current local and national regulations.
**CONTAMINATED PACKAGING**
Empty as best as possible by fully opening them. Dispose of in accordance with constituent material

**13.2 HP Phrases**
None

## 14. TRANSPORTATION INFORMATION

**14.1 UN Number**
Non-dangerous good within the meaning of transport regulations.

**14.2 UN proper shipping name**
N.A.

**14.3 Transport hazard class(es)**
N.A.

**14.4 Packing group**
N.A.

**14.5 Environmental hazards Marine pollutant**
No

**14.6 Special precautions for users**
N.A.

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**14.7 Transport of bulk according to MARPOL Annex II and the IBC Code**
N.A.

## 15. REGULATORY INFORMATION

**15.1 Health, safety and environmental regulations and legislation specific to the substance or mixture**
Legislative Decree 9/4/2008 no. 81
D.M. Labor 26/02/2004 (Occupational exposure limits)
Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 790/2009 (ATP 1 CLP) and (EU) No 758/2013
Regulation (EU) No 286/2011 (ATP 2 CLP)
Regulation (EU) No. 618/2012 (ATP 3 CLP)
Regulation (EU) No. 487/2013 (ATP 4 CLP)
Regulation (EU) No. 944/2013 (ATP 5 CLP)
Regulation (EU) No. 605/2014 (ATP 6 CLP)
Regulation (EU) No. 2015/1221 (ATP 7 CLP)
Regulation (EU) No. 2016/918 (ATP 8 CLP)
Regulation (EU) No. 2016/1179 (ATP 9 CLP)
Regulation (EU) No. 2017/776 (ATP 10 CLP)
Regulation (EU) No. 2018/669 (ATP 11 CLP)
Regulation (EU) No. 2018/1480 (ATP 13 CLP)
Regulation (EU) No. 2019/521 (ATP 12 CLP)
Regulation (EU) 2015/830
Restrictions related to the product or contained substances according to Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent adaptations:
Restrictions related to the product: 3
Restrictions related to contained substances: None
Provisions related to EU Directive 2012/18 (Seveso III): None
Regulation (EU) No. 649/2012 (PIC Regulation): None
Royal Decree No. 147 of January 9, 1927 (Toxic Gases).
Water Hazard Class (Germany).
3: Severe hazard to waters
SVHC Substances: Where applicable, refer to the following regulations.

**15.2 Chemical safety assessment**
No

## 16. OTHER INFORMATION

This sheet cancels and replaces any previous edition.

Text of phrases used in paragraph 3: H319 Causes severe eye injury. EUH031 Contact with acids liberates toxic gas.

| Hazard class and category | Code | Description |
|---|---|---|
| Eye Irrit. 2 | 3.3/2, | Category 2 Severe Eye Injury |

Appropriate training according to the current regulations Reg. CE 830/2015.

**Main bibliographic sources**
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities.

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SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition -Van Nostrand Reinold
CCNL - Annex 1
National Institute of Health - National Inventory of Chemical Substances.

The information contained herein is based on our knowledge as of the date above.
It refers only to the product indicated and does not constitute a guarantee of any particular quality. The user is responsible for ensuring the suitability and completeness of this information in relation to the specific use to be made of it.

**LEGEND SYMBOLS**
ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE: Estimation of acute toxicity
ATEmix: Acute toxicity estimation (Mixtures)
BCF: Biological Concentration Factor
BEI: Biological exposure index
BOD: Biochemical oxygen demand
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CAV: Poison Control Center
EC: European Community
CLP: Classification, Labeling, Packaging.
CMR: Carcinogenic, mutagenic, reproductively toxic
COD: Chemical oxygen demand
VOC: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived level with minimal effects
DNEL: Derived level with no effect.
DPD: Dangerous Products Directive
DSD: Dangerous Substances Directive
EC50: Median effective concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing European Chemical Substances on the Market.
ES: Exposure Scenario
GefStoffVO: Ordinance on hazardous substances in Germany.
GHS: Globally harmonized system of classification and labeling of chemicals.
IARC: International Agency for Research on Cancer
IATA: Association for International Air Transport.
IATA-DGR: Dangerous Goods Regulations of the "Association for International Air Transport" (IATA). IC50: Median inhibition concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions of the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Dangerous Goods Code.
INCI: International nomenclature of cosmetic ingredients.
IRCCS: Institutes for Hospitalization and Treatment of Scientific Character.
KAFH: KAFH
KSt: Coefficient of explosion.
LC50: Lethal concentration for 50 percent of the test population.
LD50: Lethal dose for 50 percent of the test population.
LDLo: Minimum lethal dose
N/A: Not Applicable
N/A: Not Applicable

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N/A: Not determined/not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Hygiene
NOAEL: Dose with no observed adverse effects
OSHA: Occupational Safety and Health Agency
PBT: Persistent, bioaccumulative and toxic
PGK: INSTR Packaging Instructions
PNEC: Predicted no-effect concentration.
PSG: Passengers
RID: Regulations concerning the international carriage of dangerous goods by rail.
STEL: Short-term exposure limit.
STOT: Organ-specific toxicity.
TLV: Threshold limit value.
TWATLV: Threshold limit value for 8-hour weighted average. (ACGIH Standard).
vPvB: Very persistent and very bioaccumulative.
WGK: Water hazard class (Germany).