

**Security data sheet**

**Liquid E 163 Red Shade**

**Liquid E 163 Violet Shade**

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

1.1 Identification of the product Identification of the mixture

Business name: Liquid E 163

1.2 Relevant identified uses of the substance/mixture and uses advised

Natural Food Color

1.3 Details of the supplier of the safety data sheet: **Keller Juices s.r.l. – Via Mario Vellani Marchi, 50 – 41124 Modena - Italy**

**2. IDENTIFICATION OF HAZARDS**

2.1 Not a hazardous mixture according to UE Directives 67/548/CE, 1999/45/CE.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 Composition: Liquid anthocyanins extract is the concentrate liquid colour extracted from natural anthocyanins

3.2 Ingredients: Anthocyanins extract, sulphur dioxide

3.3 Hazardous components

Chemical name: Sulphur dioxide

CAS n° 7446-09-5 - EC n° 231-195-2

Classification (67/548/EC): Toxic / Corrosive R23 / R34

GHS Classification: Acute toxicity Cat. 3 Inhalation, H331 Skin corrosion Cat. 1B; H314

Concentration: Max 0.10 %

**4. FIRST AID**

No immediate medical attention is required

4.1 Description of first aid measures

- In case of skin contact: Wash with plenty of soap and water.
- In case of contact with eyes: Immediately wash out with plenty of water, seek medical attention if irritation should occur
- If swallowed: rinse out mouth with plenty of water, without swallowing. Seek medical attention if ill effects occur (SO<sub>2</sub> can potentially give allergenic effects)
- In case of inhalation: move to a fresh air atmosphere. Consult doctor if ill effects occur

**5. FIRE-FIGHTING MEASURES**

5.1 Extinguishing

Suitable extinguishing media: nebulized water, foam, CO<sub>2</sub>, dry agent

Extinguishing media which must not be used for safety reasons:

None.

5.2 Specific risks: none, product is quite inert

5.3 Advice for firefighters

usual fire-fighting protective device

## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures:  
prevent accidental contact using protective clothing, gloves and safety glass
- 6.2 Environmental precautions:  
use appropriate containment to avoid environmental contamination
- 6.3 Methods and materials for containment and cleaning up: remove by physical means, wash with plenty of water

## 7. HANDLING AND STORAGE

- 7.1 Precaution for safe handling:  
no need of special precautions, it is anyway advisable to use gloves and glasses
- 7.2 Conditions for safe storage, including any incompatibilities  
Always keep the containers tightly closed.  
Keep away from food, drink and animal feed.  
keep in a cool (8 - 20 °C), dry, well-ventilated place
- 7.3 Specific final use:  
product is a natural food colour, no special requirements for its use. However, due to conditions, which are beyond our control, we always recommend to make trials on each single application in order to prevent situations, which cannot be foreseen.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters  
None
- 8.2 Exposure controls  
Avoid accidental contact; keep to usual professional hygienic measures
- Eye protection:  
safety glasses
- Skin protection:  
Does not require the adoption of any special precautions for normal use.
- Protection of hands:  
disposable gloves.
- Respiratory protection:  
Not needed for normal use .
- Environmental exposure controls:  
Though no particular measure needs to be taken in case of release, avoid dispersion in the environment

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical protections
- |  |                                |
|--|--------------------------------|
| Appearance and colour:                       | viscous liquid Dark red-purple |
| Odor:  | Neutral dry, slightly sweet    |
| pH:  | 2.0 - 3.6                      |
| Initial boiling point and boiling range:     | N.D.                           |
| Explosive properties:                        | N.A.                           |
| Supporter properties:                        | N.D.                           |
| Vapour pressure:                             | N.D.                           |
| Relative density (kg/dm <sup>3</sup> -20 °C) | 1.10 approx                    |
| Solubility                                   | soluble in water               |

## 10. STABILITY AND REACTIVITY

10.1 Conditions to avoid:

None

10.2 Incompatible materials:

None.

10.3 Hazardous decomposition products:

heat decompositions products, CO, aldehydes, combined phenols.

## 11. TOXICOLOGICAL INFORMATION

Anthocyanins represent a large group of vegetable pigments and are widely present in vegetables/fruits commonly eaten by human beings

11.1 Information on toxicological effects

Acute toxicology: N.A

Contact: in case of contact, sensitisation and irritation possible

Eyes contact: irritation may occur

Inhalation N.A

If applied accordingly, no negative effects on health are known

## 12. ECOLOGICAL INFORMATION

Due to composition of the product (fully degradable) and according to actual knowledge, no negative ecological effects are to be expected, nevertheless product is a concentrate and therefore it is advisable not to discharge into drains or the environment

## 13. DISPOSAL CONSIDERATIONS

13.1 Methods of treatment of the waste

Disposal should be in accordance with local, state or national legislation

## 14. TRANSPORT INFORMATION

No hazardous material according to RID, ADR, ADNR, IMDG, IATA-DGR

## 15. REGULATORY INFORMATION

15.1 Labelling according to EC Regulations No hazardous material – Not classified

## 16. OTHER INFORMATION

This MSDS complies with European Reg. 1907/2006 and subsequent amendments..

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control we assume no liability for damages incurred by not correct use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Legenda:

N.A.: not applicable

N.D.: not available

ADR: European agreement concerning the International. Carriage of Dangerous Goods by road



ADNR:	Regulation for the Carriage of Dangerous Substances on the Rhine
CAS:	Chemical abstract service (division of the American Chemical Society).
GHS:	Globally armonized system of classification and labeling of chemicals.
IATA-DGR:	Regulation for the safe transport of dangerous goods of the "International air transport association" (IATA).
IMDG:	International maritime code for dangerous goods.
RID:	Regulation concerning the International Carriage of Dangerous Goods by rail.