

# - MATERIAL SAFETY DATA SHEET-

According to Regulation (EC) No 1907/2006, Article 31

<b>Product Number &amp; Name</b>	FM011037 STRAWBERRY FLAVOURING		
<b>Date of Issue</b>	11.08.2016	<b>Amendment Version</b>	0
<b>Amendment Date</b>	-	<b>Page Number</b>	1/7

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

### 1.1 Identification of the preparation

**Product Name** : STRAWBERRY FLAVOURING

**Product Number** : FM011037

### 1.2 Use of the Product : Flavouring (For industrial applications)

### 1.3 Details of the supplier of the safety data sheet

**Company** : AROMSA Besin Aroma ve Katkı Maddeleri San. Ve Tic. A.Ş.  
Gebze Organize Sanayi Bolgesi, Ihsan Dede Cad., No :108 PK:18  
41480 Gebze / Kocaeli - TURKEY

**Telephone #** : +90 262 326 11 11

**Fax #** : +90 262 751 13 90

**E-mail address** : Regulatory.Affairs@aromsa.com.tr

### 1.4 Emergency telephone number

**Emergency Telephone #** : +90 262 326 11 11 (Available only during office hours)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

**Hazard Classes and Hazard statements**

**Hazard categories**

Flam. Liq. 3	H226	Flammable liquid and vapour
Skin Irrit. 2	H315	Causes skin irritation.
Eye Dam. 1	H318	Causes serious eye damage.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

### 2.2 Label Elements

Labelling according Regulation (EC) No 1272/2008 (CLP/GHS)



**Hazard Pictogram**

**Signal Word:** Danger

**Hazard determining components of labelling:** butanedione

**Hazard Statements:**

H226 Flammable liquid and vapour

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER/doctor.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.  
Supplemental Hazard Statements: none

**2.3 Other Hazards** No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Description:

The product is a preparation/mixture of natural, nature-identical or permitted artificial flavourings, foods, permitted additives and/or permitted solvents or carrier substances.

### Dangerous Components:

#### Hazardous Ingredients according to Regulation (EC) No 1272/2008

Chemical Name	CAS #	EINECS #	Concentration (%)	Classification
Butanedione	431-03-8	207-069-8	2.5-10.0	Flam. Liq. 2, H225; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315

### Additional Information:

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**After Inhalation:** Move the exposed person to fresh air. Get medical attention for any breathing difficulty.

**After Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if any discomfort develops. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**After Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if any discomfort develops.

**After Ingestion:** Do NOT induce vomiting. Wash out mouth with plenty of water provided person is conscious. Get medical advice and show this MSDS.

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

No further relevant information available.

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

No further relevant information available.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media

**Suitable Extinguishing Agents:** Carbon dioxide, sand dry chemical powder or appropriate foam. Fight larger fires with water spray or alcohol resistant foam.

**For Safety Reasons Unsuitable Extinguishing Agents:** Water with full jet.

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

No further relevant information available

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## 5.3 Advise for firefighters

### Protective equipment:

In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

### Additional Information :

Move exposed containers from fire area, if it can be done without risk.

Fire residues and contaminated fire fighting water must be disposed of in accordance within the local regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, protective equipments and emergency procedures

Ventilate area of leak or spill. Use proper personal protective equipment as indicated in Section 8. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Keep unprotected persons away.

### 6.2 Environmental Precautions

Prevent spread over a wide area. Do not discharge into the drains/surface waters/groundwater. Inform respective authorities in case of seepage into water course or sewage system.

### 6.3 Methods and materials for containment and Cleaning up:

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders) material and transfer to containers for disposal. Dispose contaminated material as waste according to item 13. Provide adequate ventilation. Do not flush water with water or aqueous cleansing agent.

### 6.4 Reference to Other sections

See section 7 for information on safe handling

See section 8 for information on personal protection equipment

See section 13 for disposal information

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe Handling :

Use only in a well-ventilated area. Avoid contact with heat, sparks and flame. Prevent formation of aerosols. Do not get in eyes, on skin or on clothing. Do not ingest or inhale. Empty containers retain product residue, (liquid and/or vapour), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Protect against electrostatic charges. Keep ignition sources away and do not smoke.

### 7.2 Conditions for safe Storage, including any incompatibilities:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container tightly sealed.

### 7.3 Specific end use(s)

No further relevant information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Use appropriate protective tools

### 8.2 Exposure control

**8.2.1 Appropriate engineering controls:** No further relevant information available.

### 8.2.2 Personal protective Precautions

**8.2.2.1 Personal protective equipment, general protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.

### 8.2.2.2 Personal Protection

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**Eye/face Protection** : Wear tightly sealed goggles.

**Skin Protection** : Wear clean body-covering clothing.

**Hand Protection** : Wear protective gloves. The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product.

**Respiratory protection**: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.

## 8.2.3 Environmental Protection:

Fire residues and contaminated fire fighting water must be disposed of in accordance with the local regulations. Product must be disposed of in compliance with the respective national regulations in force. Packaging that can not be cleaned should be disposed of as for product.

**Ventilation** : Use adequate general or local ventilation.

**Safety Stations** : Maintain eye wash fountain and quick-drench facilities in work area.

**Contaminated Equipment** : Wash contaminated clothing before reuse. Clean contaminated shoes before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Property	Result	Test Method
Appearance	Yellow, liquid	
Odour	Characteristic of strawberry	
pH	Not determined	
Boiling point	> 35 °C	
Flash point	38 °C	Closed cup method
Danger of explosion	Product does not present an explosion hazard	
Self-igniting	Product is not self-igniting	
Oxidising properties	Not an oxidizer	
Vapour pressure	0.1 hPa at 20°C	
Density	1.075– 1.095 kg/l	
Solubility	Not determined	
Partition coefficient (n-octanol/water)	Not determined	
Viscosity	Not applicable	
Vapour density	Not applicable	
Evaporation rate	Not applicable	
Moisture content	Not applicable	
Melting/Freezing Temperature	Not applicable	
Ignition Temperature	365°C	
Decomposition Temperature	Not determined	

### 9.2 Other informations

**Solubility**: No further relevant information available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

No dangerous reactions known.

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## 10.2 Chemical stability:

Stable under conditions of use and storage in accordance to specification.

## 10.3 Possibility of hazardous reactions:

No dangerous reactions known

## 10.4 Conditions to avoid:

Ignition sources, excess heat and incompatible materials.

## 10.5 Incompatible materials:

Strong oxidizing agents.

## 10.6 Hazardous decomposition products:

During a fire irritating and toxic gases, carbon dioxide, and carbon monoxide may be generated by thermal decomposition or combustion.

# 11. TOXICOLOGICAL INFORMATION

## Information on toxicological effects

Under normal conditions of intended use, this material does not pose a risk to health.

**Acute toxicity:** Based on available data, the classification criteria are not met.

**Additional toxicological Information:** There is no additional toxicological information.

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/eye irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** No sensitising effects known.

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**LD/LC50 values:** No data available

# 12. ECOLOGICAL INFORMATION

## 12.1 Toxicity:

No further relevant information available

## 12.2 Persistence and degradability:

No further relevant information available

## 12.3 Bioaccumulative potential:

No further relevant information available

## 12.4 Mobility in soil:

Water hazard class 2 (German Regulation) (self-assessment) Hazardous for water. Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms. Harmful to fish.

## 12.5 Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Other adverse effects:

No further relevant information available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

**Product:** Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Packaging:** Recommendation: Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

**14.1 UN Number:** 1169

**14.2 Proper UN shipping name:**

**ADR:** 1169 Extracts, Aromatic, Liquid

**IMDG:** Extracts, Aromatic, Liquid

**IATA:** Extracts, Aromatic, Liquid

**14.3 Transport Hazard Class(es):**

**ADR** 3 Flammable Liquids **Label:** 3

**IMDG** 3 Flammable Liquids **Label:** 3

**IATA** 3 Flammable Liquids **Label:** 3

**14.4 Packing Group:** III

**14.5 Environmental Hazard:** Marine pollutant: No

**14.6 Special Precautions for users:** Warning: Flammable Liquids **Danger code:** 30 **EMS Number:** F-E,S-D

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC code:** No further relevant information available

**Limited quantities:** 5L **Tunnel Restriction code:** D/E

**UN Model Regulation:** UN1169, EXTRACTS, AROMATIC, LIQUID, 3, III

## 15. REGULATORY INFORMATION

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

The product is classified and labelled in accordance with EC directives or respective national laws. This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

## 16. OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

Flam. Liq. 2: Flammable Liquid, Hazard Category 2

Flam. Liq. 3: Flammable Liquid, Hazard Category 3

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2



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H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

### Further Information

The information contained in this document is believed to be accurate and represents the best information currently available to us. However, these data are provided without any warranty expressed or implied regarding its correctness or accuracy.

The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data do not signify any warranty with regard to the product properties.

Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. AROMSA does not accept any liability for loss, injury or damage, which may result from this information and its product.

### Data compared to the previous version

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### Reason for Change

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