

# SAFETY DATA SHEET



Revision: 4.3 Date: 10.06.2019

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

Fame V3022a

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
Product Name Fame Vegetable  
Product Description V3022a- Fame Vegetable -Fame  
Trade Name Fame  
Product code V3022a  
CAS No. 68990-52-3  
EC No. 273-606-8  
REACH Registration No. -
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified Use(s) Fuel for engines.  
Uses Advised Against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification Vitol SA  
Place des Bergues 3  
P.O. Box 2056  
1211 Geneva 1  
Switzerland  
  
Telephone +31 10 498 7200  
Fax +31 10 452 9545  
E-Mail (competent person) [xreach@vitol.com](mailto:xreach@vitol.com)
- 1.4 Emergency telephone number**  
Emergency Phone No. +44 (0) 1235 239 670, 24/7  
Languages spoken All official European languages.

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Not hazardous according to current CLP Regulations.
- 2.2 Label elements**  
According to Regulation (EC) No. 1272/2008 (CLP)  
Product Name V3022a- Fame Vegetable -Fame  
  
Hazard Pictogram(s) None assigned.  
  
Signal Word(s) None assigned.  
  
Hazard Statement(s) None assigned.  
  
Precautionary Statement(s) None assigned.
- 2.3 Other hazards** None known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

SUBSTANCE	CAS No.	EC No.	REACH Registration No.	%W/W
Fatty acids, vegetable-oil, Me esters	68990-52-3	273-606-8	-	100

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## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Self-protection of the first aider

Inhalation

Skin Contact

Eye Contact

Ingestion

If it is suspected that fumes are still present, the responder should wear an appropriate mask or self-contained breathing apparatus.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention.

Remove clothing and wash thoroughly before use. Wash affected skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Rinse mouth. Give plenty of water to drink. Get medical attention.

None anticipated.

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

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

Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media

Extinguish with sand or dry chemical. Foam, Carbon dioxide, Water fog or dry powder

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

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

None known.

### 5.3 Advice for fire-fighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment. Dike fire control water for later disposal.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Eliminate sources of ignition. Stop leak if safe to do so. Ensure suitable personal protection during removal of spillages.

### 6.2 Environmental precautions

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

### 6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Ensure that the equipment is adequately grounded. Sweep up and shovel into waste drums or plastic bags. Transfer to a lidded container for disposal or recovery.

### 6.4 Reference to other sections

See Section: 8,13

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Avoid all contact. Do not ingest. Use personal protective equipment as required. See Section: 8. Keep good industrial hygiene. Wash hands thoroughly after handling. Contaminated clothing should be thoroughly cleaned.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

Keep only in original container. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

Storage measures

Stable at ambient temperatures.

Incompatible materials

Keep only in original container.

### 7.3 Specific end use(s)

Oxidizing agents and strong bases.

See Section: 1.2

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits** None assigned.
- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs**

DNEL	Oral (mg/kg bw/day)	Inhalation (mg/m <sup>3</sup> )	Dermal (mg/kg bw/day)
Industry - Long Term - Systemic effects	-	6.96	10
Consumer - Long Term - Systemic effects	5	23	5

PNEC	Fame Vegetable
Aquatic Compartment	PNEC aqua (freshwater) 2.504 mg/L PNEC aqua (marine water) 2.504 mg/L PNEC aqua (Intermittent release.) 25.04 mg/L PNEC STP 520 mg/L

- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Ensure adequate ventilation. Guarantee that the eye flushing systems and safety showers are located close to the working place.
- 8.2.2 Individual protection measures, such as personal protective equipment (PPE)** Fuels are typically used, transferred and transported in closed systems. If exposure is likely (i.e. during sampling) the following advice may be appropriate. Good hygiene practices and housekeeping measures
- Eye/ face protection  Wear eye protection with side protection (EN166).
- Skin protection  Wear impervious gloves (EN374). Recommended: PVC
- Respiratory protection  Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.
- Thermal hazards Not applicable.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- |  |                                  |
|--|----------------------------------|
| Appearance                                   | Oily liquid                      |
| Odour  | Yellowish                        |
| Odour threshold                              | Ester-like                       |
| pH   | Not established.                 |
| Melting point/freezing point                 | -12 °C                           |
| Initial boiling point and boiling range      | 302 - 379 °C                     |
| Flash point                                  | 164.5 °C                         |
| Evaporation rate                             | Not established.                 |
| Flammability (solid, gas)                    | Not applicable - Liquid          |
| Upper/lower flammability or explosive limits | Not applicable. Non-combustible. |
| Vapour pressure                              | 0.42 @ 20 °C                     |
| Vapour density                               | Not established.                 |

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Relative density	0.89 g/cm <sup>3</sup> @ 20 °C
Solubility(ies)	Water: 0.023 g/ 100 g @ 20 °C Practically insoluble.
Partition coefficient: n-octanol/water	6.25 log P @ 25 °C
Auto-ignition temperature	261 (+/- 5) °C
Decomposition Temperature	Not established.
Viscosity	3.76 mPa*s @ 40 °C
Explosive properties	Not explosive.(Vapour may create explosive atmosphere.)
Oxidising properties	Not oxidising.

9.2 Other information None known.

## SECTION 10: STABILITY AND REACTIVITY

10.1 Stability and reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	Electrostatic charge.
10.5 Incompatible materials	Oxidizing agents and strong bases.
10.6 Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	All test data taken from existing ECHA registrations for the substances mentioned.
<b>Acute toxicity</b>	Based upon the available data, the classification criteria are not met.
Ingestion	Not classified. LD50 > 5000 mg/kg bw/day (rat) OECD 401
Inhalation	Not classified. No data.
Skin Contact	Not classified. LD50 > 2000 mg/kg bw/day @ 24 hour(s) (rabbit) EPA OPPTS 870.1200
<b>Skin corrosion/irritation</b>	Based upon the available data, the classification criteria are not met.
	Not classified. OECD 404 (rabbit)
	Mean erythema score : 0.33
	Mean edema score : 0
<b>Serious eye damage/irritation</b>	Based upon the available data, the classification criteria are not met.
	Not classified. OECD 405 (rabbit)
	Mean eye Irritation score - Cornea: 0. Iris: 0. Conjunctivae: 0.16. Chemosis: 0
<b>Respiratory or skin sensitization</b>	Not classified. OECD 406 (Guinea pig) Negative
Skin sensitization	Sensitisation (guinea pig) - Negative OECD 406
Respiratory sensitization	Not classified. No data.
<b>Germ cell mutagenicity</b>	Based upon the available data, the classification criteria are not met.
In vitro	No evidence of mutagenic effects. Bacteria. OECD 471
In vivo	No evidence of mutagenic effects. Hamster. OECD 475
<b>Carcinogenicity</b>	Based upon the available data, the classification criteria are not met. Weight of evidence approach.
<b>Reproductive toxicity</b>	Based upon the available data, the classification criteria are not met.
Toxicity for reproduction	Not classified. NOAEL >1000 mg/kg bw/day (rat) OECD 422
Developmental Toxicity	Not classified. No data.
<b>STOT - single exposure</b>	Based upon the available data, the classification criteria are not met. No data.
<b>STOT - repeated exposure</b>	Based upon the available data, the classification criteria are not met.
Ingestion	Not classified. NOAEL >1000 mg/kg bw/day (rat) OECD 422
Inhalation	Not classified. No data.
Skin Contact	Not classified. No data.
<b>Aspiration hazard</b>	Not classified. Oral: NOAEL >1000 (rat) OECD 422
11.2 Other information	None.

## SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Based upon the available data, the classification criteria are not met.
12.2 Persistence and degradability	EC50 Brachydario rerio ≥ 100 000 mg/L (48 hour) OECD 203
12.3 Bioaccumulative potential	Readily biodegradable (according to OECD criteria). The substance has low potential for bioaccumulation.

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12.4	Mobility in soil	Degradation rate (%) 100
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material and its container as hazardous waste (2008/98/EEC). Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.
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## SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	None assigned.	None assigned.
14.2	Proper Shipping Name	None assigned.	None assigned.
14.3	Transport hazard class(es)	None assigned.	None assigned.
14.4	Packing group	None assigned.	None assigned.
14.5	Environmental hazards	Not classified	Not classified
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Product Name: Fatty acid methyl esters (m) Pollution Category: Y Ship Type: 2	

## SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	Authorisations and/or Restrictions On Use
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	None.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Header and Section 1.3

Page Header Updated logo, version and date

### References:

Existing ECHA registration(s) for Fatty acids, vegetable-oil, Me esters (CAS No. 68990-52-3).

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organisation for Economic Cooperation and Development
STP	Sewage Treatment Plant
NOAEL	no observed adverse effect level
NOEC	no observed adverse effect concentration

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether

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a higher level of protection is required.

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