

# SAFETY DATA SHEET



Revision: 5.3 Date: 10.06.2019

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

Fame Tallow V3023a

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

- 1.1 Product identifier**  
Product Name Fame Tallow  
Product Description V3023a- Fame Tallow-Fame  
Trade Name Fame  
Product code V3023a  
CAS No. 67762-26-9  
EC No. 267-007-0  
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 classified as hazardous for supply/use.
- 2.2 Label elements**  
Product Name According to Regulation (EC) No. 1272/2008 (CLP)  
V3023a- Fame Tallow-Fame  
Contains: Not applicable  
  
Hazard Pictogram(s) None assigned.  
  
Signal Word(s) None assigned.  
  
Hazard Statement(s) None assigned.  
  
Precautionary Statement(s) None assigned.
- 2.3 Other hazards** Spillages may cause slippery road.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

SUBSTANCE	CAS No.	EC No.	REACH Registration No.	%W/W
Fatty acids, C14-18 and C16-18-unsatd., Me esters	67762-26-9	267-007-0	-	100

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## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

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.

Skin Contact

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

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If irritation develops and persists, get medical attention.

Ingestion

Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. If symptoms develop, obtain medical attention.

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

None known.

### 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

Decomposes in a fire giving off toxic fumes: A mixture of solid and liquid particulates and gases including unidentified organic and inorganic compounds. May form explosive mixture with air. Prevent liquid entering sewers, basements and any watercourses. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

Other hazards

Biodiesel soaked rags or spill absorbents (i.e. oil dry, polypropylene socks, sand, etc.) can cause spontaneous combustion if stored near combustibles and not handled properly. Store biodiesel soaked rags or spill absorbents in approved safety containers and dispose of properly. Oil soaked rags may be washed with soap and water and allowed to dry in well ventilated area.

### 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. Stop leak if safe to do so. Ensure suitable personal protection during removal of spillages. Avoid all contact. Keep upwind. Eliminate sources of ignition.

### 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. Sweep up and shovel into waste drums or plastic bags. Transfer to a lidded container for disposal or recovery. Ventilate the area and wash spill site after material pick-up is complete.

### 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. Prevent vapour build up by providing adequate ventilation during and after use. The vapour is heavier than

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- 7.2 **Conditions for safe storage, including any incompatibilities**
- Storage temperature  
Storage measures  
Incompatible materials
- 7.3 **Specific end use(s)**
- air; beware of pits and confined spaces. Avoid contact with eyes. 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.
- Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep only in original container. Keep containers properly sealed when not in use. Protect from sunlight. Containers of this material may be hazardous when empty since they retain product residue.
- 50 °F – 120 °F. Stable at ambient temperatures.
- Keep only in original container.
- Keep away from oxidising agents.
- See Section: 1.2

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

CAS No. 67762-26-9: No Occupational Exposure Limit assigned.

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Mist	None assigned.	-	10	-	-	WEL (Generic)

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

#### 8.1.2 Biological limit value

Not established.

#### 8.1.3 PNECs and DNELs

Not established.

### 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.

Eye/ face protection



Wear eye protection with side protection (EN166).

Skin protection



Hand protection: Wear impervious gloves (EN374). Recommended: Nitrile rubber. Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Body protection: Apron or other light protective clothing, boots and plastic or rubber gloves.

Respiratory protection



Open system(s): In case of inadequate ventilation wear respiratory protection. Recommended: BS EN 14387:2004+A1

Closed system(s): Not normally required.

When the product is heated /In case of inadequate ventilation wear respiratory protection. Recommended: Combination filtering device (DIN EN 141) Filter type A2

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	Liquid, Oil, Green/Yellow
Odour	Mild odour, Characteristic
Odour threshold	Not established.
pH	Not established.
Melting point/freezing point	6.29 °C @ 1 atm
Initial boiling point and boiling range	354.3 °C @ 1 atm
Flash point	173 °C +/- 1 °C
Evaporation rate	Not established.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	4.2 mbar @ 25°C 420 Pa @ 25°C 3.6 mbar @ 20°C
Vapour density	Not established.
Relative density	0.8881 g/cm <sup>3</sup> @ 20°C
Solubility(ies)	Water: Insoluble < 0,023 mg/l
Partition coefficient: n-octanol/water	Log Kow: 6.2 @ 25°C
Auto-ignition temperature	261°C +/- 5°C
Decomposition Temperature	Not established.
Viscosity	6.1 mPa*s @ 20°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

## 9.2 Other information

None known.

## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions. Reacts with - Strong oxidising agents, strong bases (Forms methanol)
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4 Conditions to avoid	Keep away from heat, sources of ignition and direct sunlight.
10.5 Incompatible materials	Keep away from oxidising agents. Strong Acids and Alkalis.
10.6 Hazardous decomposition product(s)	A mixture of solid and liquid particulates and gases including unidentified organic and inorganic compounds. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Hydrocarbons.

## 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. Oral (rat) LD50 > 5000 mg/kg bw/day AFNOR NF T 03-021
Inhalation	Not classified. No data.
Skin Contact	Not classified. Dermal (rabbit) LD50 > 2000 mg/kg bw/day 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>	
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

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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. NOAEC >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.
<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>	Based upon the available data, the classification criteria are not met. No data.
<b>11.2 Other information</b>	None.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Based upon the available data, the classification criteria are not met. EC50 Brachydario rerio $\geq$ 100 000 mg/L (48 hour) OECD 203
<b>12.2 Persistence and degradability</b>	Readily biodegradable (according to OECD criteria). Degradation rate (%) 75
<b>12.3 Bioaccumulative potential</b>	The product has low potential for bioaccumulation. Bioconcentration factor (BCF) : 2.41
<b>12.4 Mobility in soil</b>	Degradation rate (%) 75
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Dispose of this material and its container as hazardous waste. 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. Containers of this material may be hazardous when empty since they retain product residue. Containers must not be punctured or destroyed by burning, even when empty. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Waste code: Fuel Oil (130701) and Diesel Fuel (150110).
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## SECTION 14: TRANSPORT INFORMATION

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

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA/ICAO</b>
<b>14.1 UN number</b>	None assigned.	None assigned.	None assigned.
<b>14.2 Proper Shipping Name</b>	None assigned.	None assigned.	None assigned.
<b>14.3 Transport hazard class(es)</b>	None assigned.	None assigned.	None assigned.
<b>14.4 Packing group</b>	None assigned.	None assigned.	None assigned.
<b>14.5 Environmental hazards</b>	Not classified	Not classified as a Marine Pollutant.	Not classified
<b>14.6 Special precautions for user</b>	See Section: 2		
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Product Name: Fatty acid methyl esters (m) Pollution Category: Y Ship Type: 2		

## SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	
Authorisations and/or Restrictions On Use	None.
<b>15.1.2 National regulations</b>	None.
Germany	Water hazard class: 1

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15.2 Chemical Safety Assessment

Not applicable.

## 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 Safety Data Sheet (SDS), the Classification and Labelling Inventory for Fatty acids, C14-18 and C16-18-unsatd., Me esters (CAS No. 67762-26-9)

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
NOAEC	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 a higher level of protection is required.

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