



## MATERIAL SAFETY DATA SHEET

### PALM FATTY ACID DISTILLED

#### IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product name	Palm Fatty Acid Distillate (PFAD)
Recommended Use	Palm fatty acid distillate used for many industries such as soap industries, animal food industries, and also as raw materials for biodiesel and chemical industries.

#### HAZARD IDENTIFICATION

GHS classification	
Physical hazard	Not classified as hazardous substance.
Health hazard	Not classified as hazardous substance.
Environmental hazard	Not classified as hazardous substance.
GHS label element	
Hazard symbol	The material burns slowly with high smoke density.
Signal word	No signal word.
Hazard statement	No classified as hazardous substance.
Precautionary statement	Not available
Other hazard	None known.



#### COMPOSITION/ INFORMATION OF INGREDIENTS

SUBSTANCE NAME	CAS No.	EC No.	REACH SDA GROUP
Fatty acids, palm-oil	68440-15-3	270438-7	-
Ingredients or impurities that contribute to hazard	None known		

#### FIRST AID MEASURES

Eye Contact	Flush thoroughly with running water. If symptom persists, seek medical attention
Skin Contact	Wash thoroughly with soap and water
Ingestion	No significant hazard. If symptom persists, seek medical attention
Inhalation	Move individual away from exposure and into fresh air
Most important symptoms / effects, acute and delayed	No information available
Indication of immediate medical attention and special treatment needed	No information available

#### FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide foam, powder, or sand
Unsuitable Extinguishing Media	Water
Specific hazards arising from the substances or mixture	Vapours may be formed in case of thermal combustion
Special protective action for fire-fighters	Not applicable
Special protective equipment for fire-fighters	Self-contained breathing apparatus, full protective clothing



### ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment
Environmental precautions	Avoid discharge into drains, water courses or onto the ground
Methods and material for containment and cleaning up	Spillages may cause slipping hazard. Contain spilled material with an inert or non-combustible inorganic absorbent material. Sweep up and remove to an approved disposal container. Clean with hot water & detergent.

### HANDLING AND STORAGE

#### Precautions for safe handling :

Keep away from heat. Keep away from source of ignition. Smoking shall be prohibited in application

#### Condition for safe storage, including any incompatibilities

Keep in original packaging. Store in a well-ventilated area and keep away from direct sunlight. Do not store above 28°C. Keep away from strong oxidizing agents.

### EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance Name	Fatty acids, palm-oil
Exposure limit	Not a dangerous substance
Appropriate engineering control	Work in ventilated area. Handle in accordance with good occupation hygiene and safety practice
Individual protection measures, such as personal protective equipment	
Eye/face protection	Not necessary
Skin protection	Not necessary
Respiratory protection	Not necessary
Thermal hazard	Wear gloves if necessary.
Environmental exposure controls	Not available



#### PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid
Colour	Brownish
Melting point/freezing point	42 - 60°C
Initial boiling point and boiling range	Not available
Evaporation rate	Not available
Flammability	Not available
Upper or lower flammability or explosive limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Bulk density	0.85-0.90 (25°C -85°C)
Solubility	Insoluble in water. Soluble in hydrocarbons
Partition coefficient : n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Explosive properties	Not available
Oxidizing properties	Not available
Other Information	Not available



#### STABILITY AND REACTIVITY

Reactivity	Avoid contact with oxidizing agents
Chemical stability	Stable under recommended storage condition
Possibility of hazardous reactions	Will not occur under recommended storage condition
Conditions to avoid	Exposure to air, light, heat, high temperatures near flash point
Chemical stability	Strong oxidizing agents
Hazardous decomposition products	Irritating gases. Carbon monoxide and carbon dioxide

#### TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Skin corrosion / irritation	Not irritating
Eye corrosion / irritation	Not irritating
Respiratory or skin sensitization	Not sensitizing
Mutagenicity	Not mutagenic
Carcinogenicity	No indication for carcinogenicity known
Reproductive toxicity	No adverse effects
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration Hazard	No data available



#### ECOLOGICAL INFORMATION

Ecotoxicity	Data not available
Persistence/Degradability	Data not available
Bioaccumulative Potential	Data not available
Mobility in soil	Data not available
Result of the PBT and vPvB assessment	Data not available
Other adverse effects	Data not available

#### DISPOSAL CONSIDERATIONS

Methods of disposal	Dispose according to national and local regulations.
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#### TRANSPORT INFORMATION

Land transport (ADR/RID)	Not classified as dangerous goods.
Sea transport (IMDG Code)	Not classified as dangerous goods.
Air transport (IATA)	Not classified as dangerous goods.
Inland waterways transport (ADN)	Not classified as dangerous goods.
UN number	ADR/RID: - Not regulated    IMDG: - Not regulated IATA: - Not regulated
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods    IATA: Not dangerous goods
Transport hazard class	Not available
Packaging group	Not available
Environmental hazards	Not available
Special precautions for user	Not available



#### REGULATORY INFORMATION

No classification and labeling according to EU directives

#### TRANSPORT INFORMATION

Document no	SDS -FA -001
Revision no	-
Issue date	25 August 2023

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