



**PT. DUA KUDA INDONESIA**  
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## MSDS CERTIFICATE

PT. DUA KUDA INDONESIA  
KBN, JL. MADIUN BLOK C2-11,  
UNIT USAHA KAWASAN MARUNDA, JAKARTA UTARA 14120, INDONESIA

### SECTION 1 PRODUCT IDENTIFICATION

CHEMICAL NAME : F STEARIC ACID  
CHEMICAL FAMILY : TRIGLYCERIDE  
DATE: SEPTEMBER 07 ,2016

### SECTION 2 HAZARDOUS INGREDIENT & OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS NO.	%	EXPOSURE LIMITS
NONE			

### SECTION 3 HEALTH HAZARD DATA

SKIN	Contact with skin not expected cause serious irritaion
EYES	Contact with skin not expected cause serious irritaion
INGESTING	Food Grade Oil
INHALING	No health effects reported

### SECTION 4 FIRST AID

ON SKIN	Wash with soap and warm water
IN EYES	Immediately flush with large quantities of water for at least 15 minutes and contact a phycisian
INGESTED	No health effect reported, if gastrointestinal discomfort is encountered, contact a physician
INHALED	Remove Victim to fresh air

### SECTION 5 EMPLOYEE PROTECTION

RESPIRATORY	In the presence of dusts, use a mask and/or respirator is recommended
VENTILATION	Local, if necessary to control dust or fumes from hot material
EYES	Chemical splash googgles are recommended
HANDS	Gloves

### SECTION 6 PHYSICAL DATA

BOILING POINT	≥ 100°C	VAPOR PRESSURE	NA
VAPOR DENSITY	Not Determined (Air = 1)	EVAPORATION RATE	NA
SPECIFIC GRAVITY	~0.9 @ 100F (Water = 1)	MELTING POINT	58°C
SOLUBILITY	Insoluble	VISCOSY	Not Determined
APPREARANCE & ODOR	Solid at 25°C		

### SECTION 7 REACTIVITY DATA

STABILITY	Stable	INCOMPABILITY MATERIAL TO AVOID	Strong Oxidizing agents
CONDITIONS TO AVOID	Higher than 58°C		
HAZARDOUS POLYMERIZATION	Will not occur	HAZARDOUS DECOMPOSITION	None

### SECTION 8 FIRE & EXPLOSION DATA

FLASH POINT	196°C	FLAMMABLE LIMITS	No Data Available	LEL UEL	NA NA
EXTINGUISHING MEDIA	Dry Chemical or waterspray or waterfog, carbon dioxide, foam or sand/earth				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE & EXPLOSION HAZARDS	None				

### SECTION 9 HANDLING AND STORAGE

CONDITION TO AVOID	
TEMPERATURE	≥58°C
HUMIDITY	No Effect
LIGHT EXPOSURE	No Effect
SHAKE	No Effect
CONTACT WITH OTHER ELEMENT	Strong Oxidizing agents

### SECTION 10 TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION	
DOT STATUS	Not Hazardous
DOT SHIPPING NAME	None
DOT REPORTABLE QUANTITY	Not Applicable
DOT PACKING GROUP	Not Applicable

HS CODE : 3823110000  
ICAO / IATA.: Not Applicable  
IMDG.: Not Applicable

## **SECTION 11 ACCIDENTAL RELEASE MEASURES**

In case of unexpected release or spill, please see section 5 for personal protection, shovel into containers. Wash floors with detergent and rinse with hot water to prevent slipping

## **SECTION 12 TOXICOLOGICAL INFORMATION**

Skinn rabbit Id50:>500mg/kg ; standard draize, human skin, 75mg /3D-I, mild ; standard Draize, rabbit skin, 500 mg/ 24-hr, moderate ; investigated as tumorigen and mutagen

## **SECTION 13 ECOLOGICAL INFORMATION**

Environmental Fact : When released into the soil or water, this material is expected to readily biodegrade  
Environmental Toxicity : Not Available

## **SECTION 14 WASTE DISPOSAL METHOD**

Incineration is the recommended disposal method for all chemical wastes.  
Material collected on absorbent material maybe land-filled in accordance with respective applicable regulations

## **SECTION 15 OTHER INFORMATION**

This product (or components, if a mixture) has not been found to be a carcinogen or potential carcinogen by IARC ; is not listed in the NTP third Annual report ; nor is it regulated by OSHA as carcinogen. The information presented herein has been compiled from source considered by the company, in good faith, to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or presentation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating there to or for advising you regarding the procetion of your employees, customers, or others. Users should make their own tests to determine the applicability of such information or suitability of such information or suitability of any products for specific use.