



MATERIAL SAFETY DATA SHEET

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MSDS NO.: 02-915
REVISION DATE: 01-03-00

PRODUCT INFORMATION

TRADE NAME: RICINOLEIC ACID CAS NO.: 141-22-0
CHEMICAL NAME: VEGETABLE FATTY ACID
CHEMICAL FAMILY: VEGETABLE OIL H M I S: 0,1,0,A

HAZARDOUS COMPONENT

DOES NOT CONTAIN ANY KNOWN HAZARDOUS INGREDIENTS

PHYSICAL CHARACTERISTICS

BOILING POINT	>225°C
VAPOR PRESSURE	N/A
VAPOR DENSITY (AIR=1)	EXCEEDS 1.0
SPECIFIC GRAVITY (H ₂ O=1)	0.9
MELTING POINT	5°C
EVAPORATION RATE	
(BUTYL ACETATE = 1)	N/A
SOLUBILITY IN WATER	INSOLUBLE
APPEARANCE	YELLOW VISCOUS LIQUID
WEIGHT PER GALLON	APPROX 7.6 LBS/GAL

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	>415°F (CC)
FLAMMABLE LIMITS	N/D
EXTINGUISHING MEDIA	FOAM, DRY CHEMICAL CO ₂
FIRE FIGHTING: DO NOT USE WATER - may spread fire by dispersing oil. Water may be used to keep containers cool.	

REACTIVITY DATA

STABILITY:	STABLE
CONDITIONS TO AVOID:	DO NOT STORE AT HIGH TEMPERATURES
INCOMPATIBILITY:	NONE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂

REACTIVITY DATA

STABILITY: Spontaneous combustion can occur
CONDITIONS TO AVOID: Excessive heat\sparks\open flame
INCOMPATIBILITY: Strong oxidizing agents
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂ on combustion

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: liquid - none; oil mist 10 mg/m³ total particulate.
EFFECTS OF OVEREXPOSURE: Breathing of high vapor concentrations may produce narcosis. Liquid may cause minor skin irritation and definite eye irritation.
EMERGENCY FIRST AID PROCEDURES: Remove to fresh air. Apply artificial respiration, if necessary. Call a physician immediately. Wash affected skin with mild soap and water. Flush eyes with water for 5-10 minutes. If eye irritations persists, get immediate medical attention.
CARCINOGENICITY LISTING: None.

SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: Spills of this material are very slippery. Provide adequate ventilation. Soak up with diatomaceous silica and pick up with shovel.
CAUTION: Vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.
SPECIAL PRECAUTIONS: As with all unsaturated fats and oils, some porous materials such as rags, paper, insulation or clay when wetted with this product may undergo spontaneous combustion. Keep such wetted materials well ventilated to prevent possible heat build-up.
WASTE DISPOSAL: Disposal must be made in accordance with all local, state, and federal regulations.

CONTROL MEASURES

EXPOSURE CONTROL: Engineering controls are usually not necessary if good hygiene practices are strictly followed. Respiratory protection is generally not required during normal operations. Wear the following to prevent skin contact: work pants, long sleeve work shirt, and work gloves. Where there is the danger of eye contact, wear splash-proof goggles.