



**CHEMICAL ASSOCIATES**  
1270 South Cleveland-Massillon Road  
Building B  
Copley, OH 44321-1683

## MATERIAL SAFETY DATA SHEET

**EMERGENCY PHONE: 800-347-2891**  
**MSDS REFERENCE: CA3031**

**CHEMTREC: 800-424-9300**

### SECTION I - IDENTIFICATION

**PRODUCT:** CA3031 STRIPPED METHYL COCONATE  
**SYNONYMS:** METHYL ESTERS OF STRIPPED COCONUT FATTY ACIDS, C12-18  
METHYL ESTERS  
**CHEMICAL:** METHYL ESTERS  
**CAS NO:** 68937-84-8  
**SARA HAZARD:** NONE NOTED (SECTION 311/312)  
TITLE 111 SECTION 313 NOT LISTED

### SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

COMPOSITION	TYPICAL %	PEL/TLV	HAZARD
METHYL LAURATE (111-82-0)	56	NONE/NONE	NONE NOTED
METHYL MYRISTATE (124-10-7)	20	NONE/NONE	NONE NOTED
METHYL PALMITATE (112-39-0)	11	NONE/NONE	NONE NOTED
METHYL OLEATE (112-62-9)	8	NONE/NONE	NONE NOTED
METHYL LINOLEATE (112-63-0)	2	NONE/NONE	NONE NOTED
METHYL STEARATE (112-61-8)	2	NONE/NONE	NONE NOTED

### SECTION III - HEALTH INFORMATION

**INGESTION:** MAY CAUSE GASTROINTESTINAL IRRITATION.  
**INHALATION:** UNKNOWN. LOW VOLATILITY AT AMBIENT TEMPERATURES.  
**EYE CONTACT:** MAY CAUSE MINOR IRRITATION BUT SIMILAR PRODUCTS WERE NOT CLASSIFIED AS EYE IRRITANTS.  
**SKIN CONTACT:** REPEATED OR PROLONGED CONTACT MAY PRODUCE MILD IRRITATION AND DEFATTING.

### SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

**PEL:** NONE  
**TLV:** NONE

## SECTION V - EMERGENCY FIRST AID PROCEDURE

- INGESTION:** CALL A PHYSICIAN OR POISON CONTROL CENTER PROMPTLY IF DISCOMFORT IS EXPERIENCED. DO NOT INDUCE VOMITING UNLESS OTHERWISE ADVISED TO DO SO.
- INHALATION:** NOT EXPECTED TO BE A PROBLEM EXCEPT FOR VAPORS FROM OVERHEATED MATERIAL. MAY PRODUCE MINOR DIZZINESS AND/OR THROAT IRRITATION AND COUGHING. IMMEDIATELY REMOVE VICTIM TO FRESH AIR. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.
- EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER FLUSHING.
- SKIN CONTACT:** PRACTICE GOOD INDUSTRIAL HYGIENE. WASH AFFECTED AREA WITH SOAP AND WARM WATER. IF A RASH OR IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

## SECTION VI - PHYSICAL DATA

- BOILING POINT:** 198°F (166 °C) AT 1 mm Hg PRESSURE  
**MELTING POINT:** ~4 °C.  
**VAPOR PRESSURE:** APPROX. 15 mm Hg PRESSURE AT 120 °C  
**SPECIFIC GRAVITY:** 0.87 AT 25 DEG C  
**SOLUBILITY IN WATER:** NEGLIGIBLE AT ROOM TEMPERATURE  
**APPEARANCE AND COLOR:** WATER WHITE TO LIGHT YELLOW LIQUID. MUSTY ODOR

## SECTION VII - FIRE AND EXPLOSION HAZARDS

- FLASH POINT AND METHOD USED:** 250 °F (121 °C) (COC)  
**FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER:** NOT ESTABLISHED  
**FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER:** NOT ESTABLISHED  
**NFPA RATING: HEALTH: (1) FIRE (1) REACTIVITY (0)**  
**HMIS RATING: HEALTH: (1) FIRE (1) REACTIVITY: (0)**

### SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:

INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH THEY HAVE BEEN TRAINED. USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS I THE POSITIVE-PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES, OR HAZARDOUS DECOMPOSITION PRODUCTS.

## SECTION VIII - REACTIVITY

<b>STABILITY:</b>	GENERALLY STABLE
<b>HAZARDOUS POLYMERIZATION:</b>	NONE LIKELY
<b>CONDITIONS AND MATERIALS TO AVOID:</b>	AVOID CONTACT WITH STRONG OXIDIZING AGENTS OR STRONG BASES.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

## SECTION IX - EMPLOYEE PROTECTION

**CONTROL MEASURES:**  
PRACTICE GOOD INDUSTRIAL HYGIENE.

**RESPIRATORY PROTECTION:**  
RECOMMENDED EXPOSURE LIMITS (I.E., OSHA-PEL AND ACGIH-TLV) ARE 200PPM FOR METHANOL. WHETHER THERE IS A NEED FOR RESPIRATORY PROTECTION UNDER YOUR CONDITIONS OF HANDLING OF THIS MATERIAL SHOULD BE EVALUATED BY A QUALIFIED HEALTH SPECIALIST.

**PROTECTIVE CLOTHING:**  
RUBBER GLOVES, APRON AND BOOTS IF THERE IS A POSSIBILITY OF SPLASHING.

**EYE PROTECTION:**  
WEAR SAFETY GLASSES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 WHERE NO CONTACT WITH THE EYE IS ANTICIPATED. CHEMICAL SAFETY GOGGLES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES.

## SECTION X - ENVIRONMENTAL PROTECTION

**ENVIRONMENTAL PRECAUTIONS:**  
AVOID UNCONTROLLED RELEASES OF THIS MATERIAL. WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED AND IMPLEMENTED.

**SPILL OR LEAK PRECAUTIONS:**  
WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AS DESCRIBED IN SECTION IX. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIAL. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

**WASTE DISPOSAL:**  
ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. AVOID LANDFILLING OF LIQUIDS. RECLAIM WHERE POSSIBLE.

**SECTION XI - REGULATORY CONTROLS**

**DEPARTMENT OF TRANSPORTATION:**

**DOT CLASSIFICATION:** NOT REGULATED

**DOT PROPER SHIPPING NAME:**

**OTHER DOT INFORMATION:**

**OTHER REGULATORY REQUIREMENTS:**

LISTED IN TSCA INVENTORY.

LISTED ON CANADIAN DSL

CANADIAN WHMIS – NONCONTROLLED.

**CERCLA HAZARDOUS MATERIALS:**

NONE NOTED

**SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE**

NO SPECIAL PRECAUTIONS NECESSARY.

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Chemical Associates bears responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

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**DATE: 10/29/09  
SUPERSEDES: 04/01/92**