



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

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 800-347-2891
MSDS REFERENCE: CA1407

CHEMTREC: 800-424-9300

SECTION I - IDENTIFICATION

WARNING: MAY CAUSE SKIN AND EYE IRRITATION! DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPOR, KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

PRODUCT: CA1407 STRIPPED LOW IV WHITE COCO FATTY ACID

SYNONYMS:

CHEMICAL: ALIPHATIC CARBOXYLIC ACIDS

CAS NO: 68937-85-9

SARA HAZARD: ACUTE (SECTION 311/312)
TITLE III SECTION 313 NOT LISTED

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

COMPOSITION	TYPICAL%	PEL/TLV	HAZARD
LAURIC ACID (143-07-7)	55	NONE/NONE	IRRITANT
MYRISTIC ACID (544-63-8)	22	NONE/NONE	NONE NOTED
PALMITIC ACID (57-10-3)	11	NONE/NONE	NONE NOTED
STEARIC ACID (57-11-4)	10	NONE/NONE	NONE NOTED
DECANOIC ACID (CAPRIC) (334-48-5)	1	NONE/NONE	NONE NOTED

SECTION III - HEALTH INFORMATION

INHALATION: NO DEATHS TO RATS EXPOSED TO CONCENTRATED DECANOIC ACID VAPOR FOR EIGHT HOURS.

INGESTION: LD50: 18.5 G/KG (ALBINO RATS) (SIMILAR PRODUCTS).

EYE CONTACT: LAURIC ACID PRODUCED CORNEAL OPACITY AND MODERATE CONJUNCTIVITIS IN ALL RABBITS, AND IRITIS IN FIVE OF SIX RABBITS. IRRITATIVE SIGNS DID NOT SUBSIDE APPRECIABLY DURING THE 72-HOUR OBSERVATION PERIOD. DECANOIC ACID PRODUCED SEVERE CORNEAL BURNS WHEN APPLIED AS A 5% SOLUTION (UNSPECIFIED VOLUME) TO RABBIT EYES.

SKIN CONTACT: LAURIC ACID PRODUCED VERY SLIGHT ERYTHEMA IN FIVE OF SIX INTACT SITES AND THREE OF SIX ABRADED SITES. NO IRRITATION IN ONE INTACT AND ONE ABRADED SITE, AND BLANCHING IN ONE ABRADED SITE AT THE 24-HOUR READING. NO EDEMA WAS PRESENT AT ANY INTACT OR ABRADED SITE AT THIS READING. NO ERYTHEMA WAS NOTED AT ANY INTACT OR FOUR ABRADED SITES AT THE 72-HOUR READING. PRIMARY IRRITATION INDEX FOR LAURIC ACID WAS CALCULATED TO BE 1.12. LD50: 1.6->5.0 G/KG (RABBIT) (DECANOIC ACID). HUMANS-RELATIVELY MILD IRRITATION TO SKIN AND MUCOUS MEMBRANES. A 1% PETROLATUM SOLUTION OF CAPRIC ACID CAUSED NO IRRITATION AFTER 48 HOURS OF OCCLUDED PATCH TEST AND PRODUCED NO SENSITIZATION REACTIONS.

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL
TLV: NO ACGIH TLV

SECTION V - EMERGENCY FIRST AID PROCEDURE

INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. 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. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN CONTACT: WASH AFFECTED AREA.

SECTION VI - PHYSICAL DATA

BOILING POINT: 320 DEG. F. (160 DEG C) AT 6 MM HG PRESSURE (APPROX.)
MELTING POINT: 28-32 DEG C
VAPOR PRESSURE: 100 MM HG PRESSURE AT 445 DEG F (APPROX.)
SPECIFIC GRAVITY: 0.88 AT 75/25 DEG C
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND COLOR: LIGHT COLOR, SEMI-SOLID. FATTY ACID ODOR

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD USED: 340 DEG F (171 DEG C) C.O.C.
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: NOT ESTABLISHED
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: NOT ESTABLISHED
NFPA RATING: NO RATING
HMIS RATING: HEALTH: (2) FIRE: (1) REACTIVITY: (0)

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:
(INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH THEY HAVE BEEN TRAINED.) WATER OR FOAM MAY CAUSE FROTHING WHEN

APPLIED TO FLAMMABLE LIQUIDS HAVING FLASH POINTS ABOVE 212 DEG F (100 DEG C). THIS PRECAUTION DOES NOT MEAN THAT WATER OR FOAM COULD NOT OR SHOULD NOT BE USED IN FIRES IN SUCH LIQUIDS. THE FROTHING MAY BE VIOLENT AND COULD ENDANGER LIFE WHEN SOLID STREAMS ARE DIRECTED INTO THE BURNING LIQUID. WATER SPRAY, HOWEVER, WATER SPRAY CAREFULLY APPLIED, HAS FREQUENTLY BEEN USED WITH SUCCESS IN EXTINGUISHING SUCH FIRES BY CAUSING THE FROTHING TO OCCUR ONLY ON THE SURFACE AND THIS FOAMING ACTION BLANKETS AND MAY EXTINGUISH THE FIRE. (NFPA 325M-1984)

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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

SECTION VIII - REACTIVITY

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|---|--|
| STABILITY: | GENERALLY STABLE |
| HAZARDOUS POLYMERIZATION: | NOT LIKELY |
| CONDITIONS AND MATERIALS TO AVOID: | AVOID HEAT AND OPEN FLAMES AND AVOID CONTACT WITH STRONG OXIDIZING AGENTS AND STRONG ALKALIES. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE. |

SECTION IX - EMPLOYEE PROTECTION

CONTROL MEASURES:

HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

RESPIRATORY PROTECTION:

RECOMMENDED EXPOSURE LIMITS (I.E., OSHA-PEL AND ACGIH-TLV) HAVE NOT BEEN ESTABLISHED FOR THIS MATERIAL. 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:

WEAR GLOVES AND PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT.

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 STAND Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYE.

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 MEDIA. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THE 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

CONTAINER IS HAZARDOUS WHEN EMPTIED. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUE, ALL HAZARD PRECAUTIONS DESCRIBED ON THIS MSDS MUST BE OBSERVED.

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: 09/16/10
SUPERSEDES: 08/01/07