



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

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 800-347-2891
MSDS REFERENCE: CA2016

CHEMTREC: 800-424-9300

SECTION I - IDENTIFICATION

PRODUCT: CA2016 DIMER ACID
SYNONYMS: C36 DIBASIC ACID
CHEMICAL: CARBOXYLIC ACID
CAS NO: 61788-89-4
SARA HAZARD: NONE NOTED (SECTION 311/312)
TITLE III SECTION 313 NOT LISTED

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

COMPOSITION	TYPICAL %	PEL/TLV	HAZARD
DIMER ACID (61788-89-4) (C36 DIBASIC ACID MW APPROX. 565)	75-85	NONE/NONE	NONE NOTED
TRIMER ACID (68937-90-6) (TRIBASIC ACID MW APPROX. 845)	14-22	NONE/NONE	NONE NOTED
MONOMER ACID (68955-98-6) (C18 MONOBASIC ACID MW APPROX. 282)	1-3	NONE/NONE	NONE NOTED

SECTION III - HEALTH INFORMATION

INGESTION: NOT EXPECTED TO BE A ROUTE OF ENTRY. NO TOXICITY DATA IS AVAILABLE. THE LD50:>21.5 ML/KG (MALE ALBINO RATS) FOR A SIMILAR PRODUCT.

INHALATION: NO TOXIC EFFECTS KNOWN. LOW VOLATILITY AT AMBIENT TEMPERATURES. EXPOSURE TO OVERHEATED MATERIAL OR AEROLSOL MIST MAY IRRITATE RESPIRATORY PASSAGES.

EYE CONTACT: NOT CLASSIFIED AS AN EYE IRRITANT. NOT EXPECTED TO PRODUCE MORE THAN A VERY MILD REACTION UPON DIRECT CONTACT.

SKIN CONTACT: NOT CLASSIFIED AS A PRIMARY SKIN IRRITANT OR A CORROSIVE AGENT. MAY PRODUCE A TEMPORARY RASH IN SENSITIVE INDIVIDUALS.

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL
TLV: NO ACGIH TLV

SECTION V - EMERGENCY FIRST AID PROCEDURE

INGESTION: DO NOT INDUCE VOMITING. IF PATIENT IS CONSCIOUS, GIVE ONE OR TWO GLASSES OF WATER TO DRINK. IF GASTROINTESTINAL UPSET OCCURS, CALL A PHYSICIAN OR POISON CONTROL CENTER PROMPTLY.

INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH TO MOUTH. GET MEDICAL ASSISTANCE IMMEDIATELY. CONSULT MEDICAL PERSONNEL IF A COUGH OR OTHER SYMPTOMS DEVELOP.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES. IF IRRITATION PERSISTS AFTER FLUSHING, SEEK MEDICAL ATTENTION.

SKIN CONTACT: PRACTICE GOOD INDUSTRIAL HYGIENE. WASH SKIN WITH SOAP AND WATER AFTER CONTACT WITH THE MATERIAL. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. SEEK MEDICAL ATTENTION IF ITCHING OR A RASH DEVELOP.

SECTION VI - PHYSICAL DATA

BOILING POINT: >500 DEG F (>260 DEG C) AT 760 MM HG PRESSURE
MELTING POINT: LIQUID AT ROOM TEMPERATURE
VAPOR PRESSURE: 0.05 MM HG PRESSURE AT 225 DEG C
SPECIFIC GRAVITY: 0.95 AT 25/20 DEG C
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND COLOR: YELLOW TO AMBER, VISCOUS LIQUID

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD USED: 530 DEG F (276 DEG C) OPEN CUP
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: NOT DETERMINED
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: NOT DETERMINED
NFPA RATING: HEALTH: (0) FIRE: (1) REACTIVITY: (0) FOR OLEIC ACID
HMIS RATING: HEALTH: (1) FIRE: (1) REACTIVITY: (0)

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:

INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE 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). THE REMARK IS INCLUDED ONLY AS A PRECAUTION AND DOES NOT MEAN THAT WATER OR FOAM SHOULD NOT OR COULD NOT BE USED IN FIGHTING FIRES IN SUCH LIQUIDS. THE FROTHING MAY BE QUITE VIOLENT AND COULD ENDANGER THE LIFE OF THE FIREFIGHTER PARTICULARLY WHEN SOLID STREAMS ARE DIRECTED INTO THE HOT BURNING LIQUID. ON THE OTHER HAND, 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 EXTINGUISHES 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 FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

SECTION VIII - REACTIVITY

STABILITY:	GENERALLY STABLE
HAZARDOUS POLYMERIZATION:	NONE LIKELY
CONDITIONS AND MATERIALS TO AVOID:	AVOID CONTACT WITH STRONG OXIDIZING AGENTS
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.

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 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 ON TSCA INVENTORY
LISTED ON CANADIAN DSL INVENTORY
LISTED ON EUROPEAN EINECS INVENTORY
LISTED ON CHINA IECSC INVENTORY
LISTED ON JAPAN ENCS INVENTORY
LISTED ON NEW ZEALAND NZIOC INVENTORY
LISTED ON PHILIPPINE PICCS INVENTORY
LISTED ON KOREA ECL INVENTORY
LISTED ON AUSTRALIA AICS INVENTORY

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.

**CHEMICAL ASSOCIATES
1270 SOUTH CLEVELAND-MASSILLON ROAD
COPLEY, OHIO 44321-1683**

**DATE: 04/22/11
SUPERSEDES: 10/14/09**