



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

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 800-347-2891
MSDS REFERENCE: CA5005

CHEMTREC: 800-424-9300

SECTION I - IDENTIFICATION

PRODUCT: CA5005 C810 ALCOHOL 64:36
SYNONYMS:
CHEMICAL: N-OCTANOL, N-DECANOL
CAS NO: 68603-15-6
SARA HAZARD: ACUTE, FIRE (SECTION 311/312)
TITLE III, SECTION 313 NOT LISTED

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

COMPOSITION	TYPICAL %	PEL/TLV	HAZARD
N-DECANOL (112-30-1)	36	NONE NOTED	ACUTE
N-OCTANOL (111-87-5)	64	NONE NOTED	ACUTE, FIRE

SECTION III - HEALTH INFORMATION

INHALATION: EXPECTED TO BE IRRITATING TO RESPIRATORY TRACT.
INGESTION: HARMFUL IF ASPIRATED INTO THE LUNGS - **DO NOT INDUCE VOMITING.**
EYE CONTACT: EXPECTED TO BE AN EYE IRRITANT.
SKIN CONTACT: REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS AND DEFATTING.

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NONE NOTED
TLV: NONE NOTED

SECTION V - EMERGENCY FIRST AID PROCEDURE

INGESTION: IF SWALLOWED GIVE TWO GLASSES OF WATER. **DO NOT INDUCE VOMITING.** 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 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 WITH SOAP AND WATER.

SECTION VI - PHYSICAL DATA

BOILING POINT: 183-242 C/361-468 F
VAPOR PRESSURE: < 1mm Hg @ 20 C / 68 F
VAPOR DENSITY: 4.7 (Air = 1)
SPECIFIC GRAVITY: 0.825 @ 25 C / 77 F
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND COLOR: COLORLESS LIQUID / FATTY ALCOHOL ODOR

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD USED: 79C / 175 F (TCC)
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: ~ 1 %
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: ~ 8 %
NFPA RATING: HEALTH: (2) FIRE: (2) REACTIVITY: (0)
HMIS RATING: HEALTH: (2) FIRE: (2) 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. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE WITH VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE AND TO DILUTE SPILLS TO NONFLAMMABLE MIXTURES.

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: KEEP AWAY FROM HEAT AND FLAMES. AVOID CONTACT WITH OXIDIZING MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS: INCLUDE OXIDES OF CARBON.

SECTION IX - EMPLOYEE PROTECTION

CONTROL MEASURES:

EXPOSURE LIMITS NOT ESTABLISHED BY OSHA / ACGIH

RESPIRATORY PROTECTION:

NIOSH APPROVED ORGANIC VAPOR RESPIRATOR, WHEN EXPOSED TO VAPOR FROM HEATED MATERIAL. USE LOCAL EXHAUST VENTILATION AT THE SOURCE OF HEATED VAPORS.

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 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 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:	CLASS 3
DOT PROPER SHIPPING NAME:	COMBUSTIBLE LIQUID N.O.S.
OTHER DOT INFORMATION:	ALCOHOL (N – OCTANOL) UN1993, PG III, ERG#128

OTHER REGULATORY REQUIREMENTS:

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629)

CERCLA HAZARDOUS MATERIALS:
NONE NOTED

SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE

STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF IGNITION.
KEEP CONTAINERS CLOSED WHEN NOT IN USE.

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: 02/03/11
SUPERSEDES: 11/30/10