



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

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 800-347-2891
MSDS REFERENCE: CA5019

CHEMTREC: 800-424-9300

SECTION I - IDENTIFICATION

WARNING: CAUSES SKIN IRRITATION
PRODUCT: CA5019 C1214 ALCOHOL
SYNONYMS: FATTY ALCOHOL
CHEMICAL: N-DODECANOL, N-TETRADECANOL, N-HEXADECANOL, N-DECANOL
CAS NO: 67762-41-8
SARA HAZARD: ACUTE (SECTION 311/312)
TITLE III SECTION 313 NOT LISTED

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

COMPOSITION	CAS NO.	TYPICAL %	PEL/TLV	HAZARD
N-DODECANOL	112-53-8	68-78	NONE / NONE	ACUTE
N-TETRADECANOL	112-72-1	20-30	NONE / NONE	ACUTE
N-HEXADECANOL	36653-82-4	1-2	NONE / NONE	NONE NOTED
N-DECANOL	112-30-1	1-2	NONE / NONE	ACUTE

SECTION III - HEALTH INFORMATION

INHALATION: IF INHALED, REMOVE TO FRESH AIR.

INGESTION: IF SWALLOWED, GIVE TWO (2) GLASSES OF WATER. **DO NOT INDUCE VOMITING.** LD50 ORAL RAT > 12,800 mg/kg (DODECANOL)

EYE CONTACT: BEGIN IMMEDIATE EYE IRRIGATION WITH COOL WATER.

SKIN CONTACT: REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS AND DEFATTING. GHS CLASSIFICATION IS CATEGORY 2. LD50 GUINEAPIG > 10.00 ml/kg (DODECANOL)

EUROPEAN RISK PHRASES (DODECANOL)
XI N: IRRITANT, DANGEROUS FOR THE ENVIRONMENT
R 36/38: IRRITATING TO SKIN AND EYES.
R 50/53: VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
S 02: KEEP OUT OF THE REACH OF CHILDREN.
S 36: WEAR SUITABLE PROTECTIVE CLOTHING.
S 61: AVOID RELEASE TO THE ENVIRONMENT.

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL
TLV: NO ACGIH TLV

SECTION V - EMERGENCY FIRST AID PROCEDURE

INGESTION: GIVE TWO (2) 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. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH CONTAMINATED AREAS WITH PLENTY OF SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION VI - PHYSICAL DATA

BOILING POINT: 255-295 C
VAPOR PRESSURE: <1 MM Hg @ 21 C / 70 F
SPECIFIC GRAVITY: 0.83 @ 25 C / 77 F
VAPOR DENSITY (AIR=1): 6.8
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID / FATTY ALCOHOL ODOR

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD USED: 138 C / 280 F (PMCC)
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: ~ 1 %
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: ~ 8 %
NFPA RATING: HEALTH: (1) FIRE: (0) 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. USE WATER 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 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:	DECOMPOSITION OF ORGANIC MATERIALS MAY PRODUCE OXIDES OF CARBON.

SECTION IX - EMPLOYEE PROTECTION

CONTROL MEASURES:

HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION. MECHANICAL VENTILATION IS RECOMMENDED. USE LOCAL EXHAUST VENTILATION AT THE SOURCE OF HEATED VAPORS.

RESPIRATORY PROTECTION:

USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WHEN EXPOSED TO VAPOR FROM HEATED MATERIAL. USE A NIOSH APPROVED SUPPLIED-AIR RESPIRATOR DURING EMERGENCY SITUATIONS.

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. THIS MATERIAL IS DANGEROUS TO AQUATIC ORGANISMS. FATHEAD MINNOW LC50 = 1,010 ug/L (DODECANOL). ROTIFER EC50 = 810 ug/L (DODECANOL).

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 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:

CANADA WHMIS:

NOT REGULATED

OTHER REGULATORY INFORMATION:

LISTED IN TSCA INVENTORY
LISTED IN CANADIAN DSL

CERCLA HAZARDOUS MATERIALS:

NONE NOTED

SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE

NO SPECIAL PRECAUTIONS NECESSARY. AVOID CONTAINER DAMAGE WHILE HANDLING AND STORING. STORE IN WELL-VENTILATED, COOL, DRY AREA. CLOSE CONTAINER 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
1270B SOUTH CLEVELAND-MASSILLON ROAD
COPLEY, OHIO 44321-1683**

**DATE: 07/18/11
SUPERSEDES: 11/30/10**