



CHEMICAL ASSOCIATES
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Building B
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MATERIAL SAFETY DATA SHEET

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SECTION I - IDENTIFICATION

PRODUCT: CA5016 C1218 ALCOHOL
SYNONYMS: FATTY ALCOHOL
CHEMICAL: N-DODECANOL, N-TETRADECANOL, N-HEXADECANOL,
N-OCTADECANOL
CAS NO: 67762-25-8
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	48 - 58	NONE / NONE	ACUTE
N-TETRADECANOL	112-72-1	18 - 24	NONE / NONE	ACUTE
N-HEXADECANOL	36653-82-4	8 - 12	NONE / NONE	NONE NOTED
N-OCTADECANOL	112-92-5	11 - 15	NONE / NONE	NONE NOTED

SECTION III - HEALTH INFORMATION

INHALATION: NOT EXPECTED TO BE A ROUTE OF ENTRY. MATERIAL IS NOT VOLATILE AT AMBIENT TEMPERATURES.

INGESTION: NOT EXPECTED TO BE A ROUTE OF ENTRY. MAY CAUSE GASTRO-INTESTINAL IRRITATION, NAUSEA AND DIARRHEA.

EYE CONTACT: MAY CAUSE MILD IRRITATION RESULTING IN REDNESS, LACRIMATION AND DISCOMFORT.

SKIN CONTACT: BRIEF CONTACT MAY CAUSE SLIGHT BUT TEMPORARY IRRITATION. REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS AND DEFATTING THAT MAY AGGRAVATE EXISTING SKIN DISEASES.

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. GET MEDICAL ATTENTION.

SKIN CONTACT: WASH CONTAMINATED AREAS WITH PLENTY OF SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. SEEK MEDICAL ATTENTION IF A RASH OR IRRITATION DEVELOPS.

SECTION VI - PHYSICAL DATA

BOILING POINT: 274 C / 525 F
MELTING RANGE 20-23°C / 68-73°F
VAPOR PRESSURE: <1 MM Hg @ 21 C / 70 F
SPECIFIC GRAVITY: 0.83 @ 25 C / 77 F
VAPOR DENSITY (AIR=1): 7.8 (TYPICAL)
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: CLEAR, COLORLESS SEMI-SOLID OR LIQUID. FATTY ALCOHOL ODOR

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD USED: 135 C / 275 F (PMCC)
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: ~ 1 %
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: ~ 8 %
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. 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 FORM 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.

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:

OTHER REGULATORY REQUIREMENTS:

LISTED IN TSCA INVENTORY
LISTED ON CANADIAN DSL
CANADIAN WHMIS; NOT LISTED.

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.

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DATE: 11/30/10
SUPERSEDES: 07/27/10