



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

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 800-347-2891
MSDS REFERENCE: CA5038

CHEMTREC: 800-424-9300

SECTION I - IDENTIFICATION

PRODUCT: CA5038 C1618 ALCOHOL
SYNONYMS: N-HEXADECANOL, n-OCTADECANOL
CHEMICAL: FATTY ALCOHOL
CAS NO: 67762-27-0
SARA HAZARD: NONE NOTED (SECTION 311/312)
TITLE III SECTION 313 NOT LISTED

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

COMPOSITION	TYPICAL %	PEL/TLV	HAZARD
N-HEXADECANOL (36653-82-4)	45-55	NONE / NONE	NONE NOTED
N-OCTADECANOL (112-92-5)	45-55	NONE / NONE	NONE NOTED
N-TETRADECANOL (112-72-1)	0-2	NONE / NONE	ACUTE
N-EICOSANOL (629-96-9)	1-2	NONE / NONE	NONE NOTED

SECTION III - HEALTH INFORMATION

INHALATION: NOT EXPECTED TO BE A ROUTE OF ENTRY. MATERIAL IS NOT VOLATILE AT AMBIENT TEMPERATURES. MISTS OR VAPORS IN CONFINED AREAS MAY PRODUCE MILD IRRITATION.

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 AND DISCOMFORT.

SKIN CONTACT: BRIEF CONTACT MAY CAUSE SLIGHT BUT TEMPORARY IRRITATION. PROLONGED CONTACT, AS A RESULT OF POOR WORK PRACTICE OR THE WEARING OF CONTAMINATED CLOTHING, MAY PRODUCE REDNESS, SWELLING AND DISCOMFORT. BECAUSE OF ITS DEFATTING PROPERTIES, EXISTING DERMATITIS MAY BE AGGRAVATED BY REPEATED OR PROLONGED CONTACT.

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL
TLV: NO ACGIH TLV

SECTION V - EMERGENCY FIRST AID PROCEDURES

INGESTION: GIVE TWO (2) GLASSES OF WATER IF VICTIM IS CONSCIOUS. DO NOT INDUCE VOMITING UNLESS OTHERWISE INSTRUCTED TO DO SO. CALL A PHYSICIAN OR POISON CONTROL CENTER PROMPTLY.

INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF BREATHING BECOMES DIFFICULT OR RESPIRATORY IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH TO MOUTH AND 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. IF CONTACT WAS WITH MOLTEN MATERIAL, ADVISE MEDICAL PERSONNEL TO ALSO TREAT AS A BURN.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH PLENTY OF SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. IF CONTACT WAS WITH MOLTEN MATERIAL, ALSO TREAT AS A BURN. SEEK MEDICAL ATTENTION IF REDNESS, PAIN OR IRRITATION OCCURS.

SECTION VI - PHYSICAL DATA

BOILING POINT: >299 C (570F)
MELTING POINT: APPROX. 46 C (115F)
VAPOR PRESSURE: <1 MM HG PRESSURE AT 38C/ 100 DEG F
SPECIFIC GRAVITY: 0.82 AT 46 DEG C
VAPOR DENSITY (AIR=1): 8.83
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND COLOR: WHITE WAXY SOLID

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD USED: 329 DEG F (165 DEG C) P.M.C.C.
AUTO-IGNITION TEMPERATURE: NOT DETERMINED
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: NOT ESTABLISHED
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: NOT ESTABLISHED
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 TO EXTINGUISH FLAMES. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WATER OR FOAM MAY CAUSE FROTHING OF BURNING LIQUID.

WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE.

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 STRONG OXIDIZING AGENTS.
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.

RESPIRATORY PROTECTION:

RECOMMENDED EXPOSURE LIMITS (I. E. , OSHA-PEL, ACGIH-TLV, AIHA-WEEL) 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 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

CERCLA HAZARDOUS MATERIALS:

NONE NOTED

SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE

NO SPECIAL PRECAUTIONS NECESSARY. AVOID CONTAINER DAMAGE WHILE HANDLING AND STORING.

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