



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

## MATERIAL SAFETY DATA SHEET

**EMERGENCY PHONE: 800-347-2891**  
**MSDS REFERENCE: CA5011**

**CHEMTREC: 800-424-9300**

### SECTION I - IDENTIFICATION

**PRODUCT:** CA5011 C10 ALCOHOL 98%  
**SYNONYMS:** DECYL ALCOHOL  
**CHEMICAL:** N-DECANOL  
**CAS NO:** 112-30-1  
**SARA HAZARD:** ACUTE (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)	98+	NONE/NONE	ACUTE
N-OCTANOL (111-87-5)	<1	NONE/NONE	ACUTE
N-DODECANOL (112-53-8)	<1	NONE/NONE	ACUTE

### SECTION III - HEALTH INFORMATION

**INHALATION:** NOT EXPECTED TO BE A ROUTE OF EXPOSURE. HOT VAPORS MAY BE IRRITATING TO THE NOSE AND THROAT

**INGESTION:** NOT EXPECTED TO BE A ROUTE OF EXPOSURE. HARMFUL IF ASPIRATED INTO THE LUNGS. MAY CAUSE GASTROINTESTINAL UPSET

**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:** NO OSHA PEL  
**TLV:** NO ACGIH TLV

## SECTION V - EMERGENCY FIRST AID PROCEDURE

- INGESTION:** DO NOT INDUCE VOMITING. GIVE TWO (2) GLASSES OF WATER. 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. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.
- SKIN CONTACT:** WASH CONTAMINATED SKIN WITH PLENTY OF SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. WASH CONTAMINATED CLOTHING BEFORE REUSE.

## SECTION VI - PHYSICAL DATA

- BOILING POINT:** 231°C/ 448°F  
**VAPOR PRESSURE:** < 1 mm Hg @ 20C/68F  
**SPECIFIC GRAVITY:** 0.83 @ 25C/77F  
**VAPOR DENSITY (AIR=1):** ~5.5  
**SOLUBILITY IN WATER:** INSOLUBLE  
**APPEARANCE AND COLOR:** CLEAR LIQUID, SWEET ODOR

## SECTION VII - FIRE AND EXPLOSION HAZARDS

- FLASH POINT AND METHOD USED:** 124°C/255°F (Tag CC)  
**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: (2) FIRE: (0) 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.

<b>SECTION XI - REGULATORY CONTROLS</b>
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**DEPARTMENT OF TRANSPORTATION:****DOT CLASSIFICATION:** NOT REGULATED**DOT PROPER SHIPPING NAME:****OTHER DOT INFORMATION:****OTHER REGULATORY REQUIREMENTS:**

LISTED IN THE FOLLOWING INVENTORIES: US TSCA, CANADA DSL, EUROPE EINECS, JAPAN MITI, AUSTRALIA AICS, KOREA ECL, PHILIPPINES PICCS.

WHMIS CLASSIFICATION; CLASS D, DIVISION 2, SUBDIVISION B: TOXIC MATERIAL

**CERCLA HAZARDOUS MATERIALS:**

NONE NOTED

<b>SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE</b>
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NO SPECIAL PRECAUTIONS NECESSARY. AVOID CONTAINER DAMAGE WHILE HANDLING AND STORING. STORE IN WELL-VENTILATED, COOL, DRY AREA. CLOSE CONTAINER WHEN NOT IN USE. EMPTY CONTAINERS RETAIN LIQUID AND/OR VAPORS. DO NOT ATTEMPT TO CUT, WELD, DRILL OR OTHERWISE EXPOSE TO HEAT, SPARKS, FLAMES, OR ANY SOURCE OF IGNITION, WITHOUT WASHING OR STEAMING TO REMOVE ALL RESIDUE.

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: 11/30/10  
SUPERSEDES: 03/17/09**