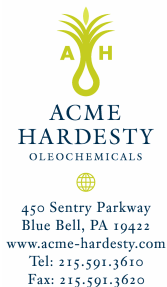


Material Safety Data Sheet



PRODUCT NAME: AHCOHOL 1216

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: AHCOHOL 1216
CAS #: 68855-56-1
EINECS#: 272-490-6
DATE: December 4, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	CAS#	Wt/Wt. %	EC#	EC SYMBOL	EC R-PHRASES
Alcohol, C10-16	68855-56-1	100%	272-490-6	---	---

MOLECULAR FORMULA: $C_nH_{2n+2}O$

SYNONYMS: Lauryl Cetyl alcohol, Linear Primary Alcohol Mixture, Fatty alcohol C1216, Alcohol C1216 and Alcohol, C12-16

HAZARDS IDENTIFICATION

This product is classified as N (Dangerous for the environment), R 50 (Very toxic to aquatic organisms).

PHYSICAL AND CHEMICAL PROPERTIES

FORM: Colorless liquid to white waxy solid
ODOR: Mild fatty odor
pH: Not Applicable
VISCOSITY DYNAMIC at 40°C (104°F): 11 - 13 mPa.s
MELTING POINT / MELTING RANGE: **17 – 21°C (63 – 70°F)**
BOILING POINT / BOILING RANGE (at 760 mm Hg): 268 – 311°C (514 – 592°F)
VAPOR PRESSURE: < 0.1 mm Hg @ 20°C
SOLUBILITY IN WATER: Negligible
DENSITY: 0.823g/cm³ @ 35/35°C (95/95°F)
EXPLOSIVE LIMIT, VOL% IN AIR: ~ 0.5 – 5.1 %
MOLECULAR WEIGHT: 195.30

STABILITY AND REACTIVITY

CONDITIONS TO BE AVOIDED: Strong heating. It decomposes when heated.
HAZARDOUS DECOMPOSITION PRODUCTS: None. Complete combustion forms carbon dioxide and water.
HAZARDOUS REACTIONS: React with strong acids, strong oxidizing agents.

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, foam, powder.
SPECIAL RISKS: Combustible
Vapor heavier than air
Forms explosive mixtures with air on intense heating
Development of hazardous combustion gases or vapors possible in the event of fire
FLASH POINT: 129 – 141°C (264 – 289°F) PMCC
AUTO IGNITION TEMPERATURE: 250 – 260°C (482 – 500°F)

FIRST AID MEASURES

SKIN CONTACT: Wash off with plenty of water. Remove contaminated clothing and shoes.
EYE CONTACT: Rinse with plenty of water for at least 20 minutes with the eyelid held wide open.
INGESTION: Immediately make victim drink plenty of water. Consult doctor if feeling unwell.
INHALATION: Move victim to fresh air.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: Avoid generation of dusts.
Do not inhale dusts.
Take up dry.
Forward for disposal.
Clean up affected area.

HANDLING AND STORAGE

HANDLING: To use gloves and wear goggles when handling.
For bulk handling, ensure all equipment is electrically grounded before beginning of transfer operation.
STORAGE/TRANSPORT PRESSURE: Ambient
LOAD/UNLOAD TEMPERATURE: **31 – 36°C (88 - 97°F)**

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT: No exposure limits have been established for this product.
PERSONAL PROTECTIVE EQUIPMENT: Wear protective goggles and/or face shield and rubber gloves.
INDUSTRIAL HYGIENE: Normal standards of industrial hygiene been observed.

EXPOSURE CONTROLS / PERSONAL PROTECTION, cont.

SKIN PROTECTION: Not applicable
GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Do not inhale dust.
HYGIENE MEASURES: Wash hands before breaks and after work. Use barrier skin cream.

TOXICOLOGICAL INFORMATION

TOXICITY DATA: Not listed by WHO Acute Hazard, TRI Acute Hazard.

1-Dodecanol

LD₅₀ (oral, rat) = > 5000 mg/kg (OECD401)

WHO Acute Hazard: Unlikely to present acute hazard in normal use.

1-Tetradecanol, 1-Hexadecanol

LD₅₀ (oral, rat) = > 2000 mg/kg (OECD 401)

WHO Acute Hazard: Unlikely to present acute hazard in normal use.

For 1-Dodecanol (CAS 112-53-8), Tetradecanol (112-72-1) and Hexadecanol (CAS 36653-82-4)

CARCINOGENICITY: Not listed by IARC Carcinogen, U.S. NTP Carcinogens, CA Prop 65 Known Carcinogens, U.S. EPA Carcinogen, TRI Carcinogen

CHOLINESTERASE INHIBITOR: No

DEVELOPMENTAL OR:
REPRODUCTIVE TOXIN: Not listed by CA Prop 65 Development Toxic, U.S. TRI Development Toxic, CA Prop 65 Female Reproductive Toxin, CA 65 Male Reproductive Toxin, U.S. TRI Reproductive Toxin

ENDOCRINE DISRUPTION: Not listed by Illinois EPA list, Keith list, Colborn list, Benbrook list, EU list.

ECOLOGICAL INFORMATION

BIODEGRADATION: Readily biodegradability.
1-Dodecanol, 86% in 30 days (OECD 301E)
1-Tetradecanol, > 60% in 28 days (OECD 301D)
1-Hexadecanol, > 60% in 28 days (OECD 301D)

BIOLOGICAL EFFECTS: Green algae Toxic Average Species LC50 = 50 µg/L

AQUATIC TOXICITY: Not expected to show any detectable aquatic toxicity even in saturated solutions because of its extremely low water solubility.
Fathead minnow, Average Species LC50 = 500,000 µg/L
Silver salmon, Average Species LC50 = 10,000 µg/L

DISPOSAL CONSIDERATIONS

Disposal method should be in accordance with local, state, national environment laws and regulations.
Do not let this chemical enter environment.

TRANSPORT INFORMATION

U.S. DOT DESCRIPTION: Not classified as dangerous good in transport.
ICAO/IATA DESCRIPTION: Not classified as dangerous good in transport.
IMDG DESCRIPTION: Not classified as dangerous good in transport.
IMO TECHNICAL NAME, CAT. & SHIP TYPE: Alcohols (C12-C13), Cat. Y, Ship Type 2.

REGULATORY INFORMATION

US REGULATORY STATUS

U.S. EPA Registered: No
U.S. EPA Minimum Risk Pesticide (25b list): No

TSCA Inventory Listing: 1-Dodecanol CAS No. 112-53-8
1-Tetradecanol CAS No. 112-72-1
1-Hexadecanol CAS No. 36653-82-4

SARA 311/312 Classification: Non hazardous
CERCLA Section 102a/103 (40 CFR 302.4): Not Listed
SARA Title III Section 302 (40 CFR 355.30): Not Listed
SARA Title III Section 313 (40 CFR 372.65): Not Listed
OSHA Classification: Non hazardous

CANADA REGULATORY STATUS

Workplace Hazardous Materials Information System (WHMIS) This material is not a controlled product as defined by WHMIS Classification.

Canadian Domestic Substance List (DSL) Inventory Listing Yes