

Material Safety Data Sheet



PRODUCT NAME: AHCOHOL 1299

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: AHCOHOL 1299
DATE: August 23, 2010
DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422
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COMPOSITION / INFORMATION ON INGREDIENTS

SYNONYMS: Lauryl Alcohol, Docecanol, Alcohol C-12, n-Docecan-1-ol, 1-Dodecanol, n-Dodecyl Alcohol, Lauric Alcohol, Laurinic Alcohol, Lauryl Alcohol, n-Lauryl Alcohol.

COMPOSITION	CHEMICAL FORMULA	CAS#	Wt/Wt, %	EC#	EC SYMBOL	EC R-PHRASES
1-Dodecanol	CH ₃ (CH ₂) ₁₁ OH	112-53-8	99 – 100	203-982-0	N	R-50
CONTAINS:						
1-Decanol	CH ₃ (CH ₂) ₉ OH	112-30-1	0 – 0.5	203-956-9	Xi	R-36
1-Tetradecanol	CH ₃ (CH ₂) ₁₃ OH	112-72-1	0 – 0.5	204-000-3	---	---

HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Classified as non-hazardous to humans and environment

FIRST AID MEASURES

INHALATION: ACUTE/HAZARD SYMPTOM: Cough
FIRST AID: Remove source of contamination or move victim to fresh air.
If adverse effects occur, remove to uncontaminated area.
Give artificial respiration if not breathing.
Get immediate medical attention.

SKIN CONTACT: ACUTE/HAZARD SYMPTOM: Redness; Pain
FIRST AID: Wash off with plenty of water and soap.
If skin irritation occurs, seek medical advice/attention
Take off contaminated clothing and wash before reuse

FIRST AID MEASURES (cont'd)

EYE CONTACT:	ACUTE/HAZARD SYMPTOM:	Redness; Pain
	FIRST AID:	Rinse cautiously with water for several minutes Remove contact lenses, if present and easy to do, and continue rinsing If eye irritation persists, seek medical advice/attention
INGESTION:	ACUTE/HAZARD SYMPTOM:	May cause irritation
	FIRST AID:	Rinse mouth and do NOT induce vomiting If vomiting occurs, keep head lower than hips to help prevent aspiration If person is unconscious, turn head to the side and seek medical attention immediately

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Dry chemical, appropriate foam or carbon dioxide
SPECIFIC HAZARDS:	Combustible when exposed to heat or flame Thermal decomposition will evolve irritant vapors
PROTECTION FOR FIRE-FIGHTERS:	Move container from fire area if it can be done without risk Do not scatter spilled material with high-pressure water streams Dike for later disposal Use extinguishing agents appropriate for surrounding fire Avoid inhalation of material or combustion by-products Stay upwind and keep out of low areas

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Avoid contact with eyes. Do not breathe vapor.
ENVIRONMENTAL PRECAUTIONS:	Minimize contamination of drains, surface, and ground waters.
METHODS FOR CLEANING UP:	
SMALL SPILLS:	Absorb with inert material and put spilled material in appropriate container for disposal
LARGE SPILLS:	Absorb with inert material and put spilled material in appropriate container for disposal Ventilate area and wash spill site and allow to evacuate through the sanitary system

HANDLING AND STORAGE

HANDLING:	Keep away from heat and sources of ignition Empty containers pose a fire risk Evaporate the residue under a fume hood Ground all equipment containing material Do not ingest – If ingested, seek medical advice immediately Avoid contact with skin and eyes Do not breathe vapors Wear suitable protective clothing in case of insufficient ventilation Wear suitable respiratory equipment
STORAGE:	Store in the original closed containers Keep in cool, dry place Safe Storage/Transport Pressure: Ambient Load/Unload Temperature: 33 – 38°C (91.4 – 100.4°F)

EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE:	No occupational exposure limits have been established.
VENTILATION:	Provide local exhaust ventilation system Ensure compliance with applicable exposure limits
PERSONAL PROTECTIVE EQUIPMENT:	
SKIN/BODY PROTECTION:	Wear chemical resistant gloves
EYE PROTECTION:	Wear splash resistant safety goggles and face shields
RESPIRATORY PROTECTION:	May be needed under conditions of frequent use of heavy exposure Consider warning properties before use Any Chemical cartridge respirator with organic vapor cartridge(s) Any chemical cartridge respirator with full face piece & organic vapor cartridge Any air-purifying respirator with full face piece and an organic vapor canister
ENGINEERING MEASURES:	Ensure ventilation or local exhaust if formation of vapor occurs.
HYGIENE MEASURES:	Good industrial hygiene should be followed.

PHYSICAL AND CHEMICAL PROPERTIES

THE VALUES LISTED BELOW ARE NOT PRODUCT SPECIFICATIONS:

APPEARANCE:	Colorless liquid (above melting point)
ODOR:	Sweet, distinct odor
ODOR THRESHOLD:	Not available
pH:	Not applicable
MELTING POINT, °C:	21 – 24°C
BOILING POINT, °C:	258 – 265 @ 760 mm Hg
FLASH POINT, °C:	113 – 129°C (Pensky-Marten Closed Cup)
EVAPORATION RATE:	Not applicable
FLAMMABILITY (Solid/Liquid):	OSHA Flammability Class III-B
VAPOR PRESSURE @ 20°C:	< 1 mm Hg
VAPOR DENSITY (Air=1):	Not available
RELATIVE DENSITY, g/cm ³ :	0.829 @ 35°C 0.827 @ 40°C
SOLUBILITY IN WATER @ 20°C:	Insoluble
PARTITION COEFFICIENT: n-octanol/water:	Log Kow = 5.13
AUTO-IGNITION TEMPERATURE:	255 – 260°C
DECOMPOSITION TEMPERATURE, °C:	Not available
VISCOSITY @ 30°C:	Approx. 6 – 9 mPa.s
EXPLOSION LIMITS:	Doesn't contain explosive properties
OXIDATION PROPERTIES:	Doesn't contain oxidizing properties

STABILITY & REACTIVITY

REACTIVITY: Not a self-reactive substance
CHEMICAL STABILITY: Stable under normal temperatures and pressure
CONDITIONS TO AVOID: Heat, flames, sparks and other sources of ignition
MATERIALS TO AVOID: Incompatible materials/oxidizing agents and strong bases
HAZARDOUS REACTIONS: Will not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will evolve irritant vapors
Thermal decomposition products: Oxides of carbon and water

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: LD50 (oral, rat): > 5,000 mg/kg body weight
LD 50 (dermal, guinea pig): > 8,300 mg/kg body weight
LC 50 (inhalation): Not available

SKIN CORROSION/IRRITATION: Not irritant (human)
EYE DAMAGE/IRRITATION: Not irritant (rabbit)
SENSITIZATION: No evidence of skin sensitization (human)

STOST – SINGLE/REPEATED EXPOSURE: Not available
ASPIRATION HAZARD: Not available

CMR EFFECTS:
CARCINOGENICITY: Not listed by: ACGIH, IARC, NTP, DFG or OSHA
GERM CELL MUTAGENICITY: AMES test: Negative
REPRODUCTIVE TOXICITY: Not Listed: CA Prop 65 Developmental Toxin
U.S. TRI Developmental Toxin
CA Prop 65 Female Reproductive Toxin
CA Prop 65 Male Reproductive Toxin
U.S. TRI Reproductive Toxin

ECOLOGICAL INFORMATION

ACUTE TOXICITY: ACUTE: 96 hrs LC50 Pimephales promelas (Fish): 1.01 mg/L
48 hrs EC50 Daphnia magna (Crustacea): 320 mg/L
96 hrs EC50 Scenedesmus subspicatus (Algae): 0.97 mg/L
CHRONIC: NOEC Daphnia magna (Crustacea): 1 mg/L

MOBILITY IN SOIL: Immobile

BIODEGRADABILITY: Readily Biodegradable

BIO-ACCUMULATIVE POTENTIAL: Log K_{ow} = 5.13

OTHER ADVERSE EFFECTS: Not available

DISPOSAL CONSIDERATIONS

Disposal method should be in accordance with local, state, national environment laws and regulations.

TRANSPORT INFORMATION

UN MODEL REGULATION: Not classified
LAND TRANSPORT ADR/RID/ADN: Not classified
AIR TRANSPORT ICAO-TI and IATA-DGR: Not classified
MARITIME TRANSPORT IMDG: Not classified
U.S. DOT INFORMATION: Not classified

BULK TRANSPORT:

ANNEX II OF MARPOL 73/78: Name: Alcohols (C12-C13) primary, linear and essentially linear
Alcohols (C14-C18) primary, linear and essentially linear
Pollution Category: Y
Ship Type: 2

REGULATORY INFORMATION

GHS CLASSIFICATION: Not classified as hazardous material to human or environment

U.S. FEDERAL REGULATIONS: No product components are listed under: SARA Section 302 (40 CFR 355)
SARA Section 311/312 (40 CFR 370.21)
SARA Section 313 (40 CFR 372.65)
CERCLA (40 CFR 302.4)

GERMANY WATER CLASSIFICATION/
WGK (Wassergefährdungsklassen): Number 1482, Hazard Class 1 - Low hazard to waters

CHEMICAL INVENTORY LISTING: Europe (EINECS): Compliant
USA (TSCA): Compliant
Canada (DSL): Compliant
Australia (AICS): Compliant
Japan (ENCS): Compliant
China (IECSC): Compliant
Korea (ECL): Compliant
Philippines (PICCS): Compliant
New Zealand (NZIOC): Compliant

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Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.