



Material Safety Data Sheet

PRODUCT NAME: BEHENYL ALCOHOL

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: ALCOHOL 2280
COMMON CHEMICAL NAME: 1-Docosanol in blend with 1-Ecosanol & 1-Octadecanol
DATE: July 1, 2009

DISTRIBUTOR: McKinley Resources
ADDRESS: P.O. Box 810472
 Dallas, Texas 75381

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COMPOSITION / INGREDIENTS

Chemical Name: Behenyl Alcohol blend with of C18 to C22 alcohol
% Compound: 100
CAS Number: 661-19-8; 629-96-9 & 112-92-5
EINECS Number : 211-546-6; 211-119-4 & 204-017-6

HAZARD IDENTIFICATION

ENVIRONMENTAL HAZARDS: None identified

HUMAN HEALTH HAZARDS EFFECT AND SYMPTOMS:

INGESTION: May cause slight irritation to gastrointestinal tract
INHALATION: No harm full effect expected at ambient temperature.
 Mist/vapors could be an irritant to pulmonary tract.
SKIN CONTACT: Slight irritant
EYE CONTACT: Mild transient irritant

FIRST AID MEASURES

INGESTION: Consult a doctor immediately.
 Drink plenty of water.
 Do not give anything by mouth to an unconscious person.

INHALATION: Move to fresh air immediately.
 In case of breathing difficulty, try artificial respiration.
 Get medical attention ASAP.

SKIN: Wash material off the skin with copious amounts of soap and water.
 If redness or itching persists, seek medical attention.

EYE: Rinse eyes with water for at least 15 minutes.
 If redness or itching persists, seek medical attention.



FIRE FIGHTING MEASURES / FIRE HAZARDS

EXTINGUISHING MEDIA:	
SUITABLE:	CO ₂ , dry chemical or water fog or foam
NOT SUITABLE:	Water may be ineffective
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self-contained breathing apparatus, protective wear/clothing to avoid direct contact with eyes and skin. Provide tank cooling using water jet in case of high temperature of fire.
UNUSUAL FIRE/EXPLOSION HAZARDS:	None
HAZARDOUS THERMAL DECOMPOSITION:	On decomposition, gives CO ₂ , CO, hydrocarbons soot, aldehydes & ketones
PROTECTION OF FIRE FIGHTERS:	Self-contained breathing apparatus and protective clothing, face mask

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	No stringent special precaution. Take normal industry standard measures.
ENVIRONMENTAL PRECAUTIONS:	In case of spillage, take up with sand/soil and dispose the same. Minimize entry into drains & ground water.
METHOD OF CLEANING UP:	Collect in dry earth, sand. Transfer to container for disposal. Flush area with water.

HANDLING/STORAGE

HANDLING:	Follow good hygiene and safety procedures. Avoid any direct contact. Wash with soap and water after handling. Keep away from heat, strong acids and oxidizing agents.
STORAGE:	Keep sealed containers in a cool, dry place.
SUITABLE PACKING MATERIAL:	Stainless steel Iso tanks, HDPE Laminated bags with liners / lacquer lined MS Drums
NOT SUITABLE PACKING MATERIAL:	Unlined MS Drums

EXPOSURE CONTROL AND PERSONAL PROTECTION

RESPIRATORY SYSTEM PROTECTION:	None required when adequate ventilation is available at ambient temperature. In the presence of mist/vapor, use self-contained NIOSH/MSH approved respirator.
SKIN/BODY PROTECTION:	Uniform, apron and rubber boots
HAND PROTECTION:	Rubber gloves
EYE PROTECTION:	Safety goggles, face mask

PHYSICAL AND CHEMICALS PROPERTIES

PHYSICAL STATE:	Solid at 30°C
COLOR:	White
ODOR:	Practically no odor
BOILING RANGE, °C:	360-400
MELTING RANGE, °C:	61-67
SOLUBILITY WATER:	Insoluble in water
RELATIVE DENSITY @ 65°C:	0.80 to 0.81
SOLUBILITY OIL AND SOLVENTS:	Not available
VAPOR DENSITY (Air = 1):	Not available
VAPOR PRESSURE (mm of Hg):	< 10 mm, at 22°C
FLASH POINT:	Approx. 204°C
AVERAGE MOLECULAR WEIGHT:	303-325



STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal operating conditions
CONDITIONS TO AVOID:	Sources of heat, ignition and flame
MATERIALS TO AVOID:	Strong acids and oxidizing agents
HAZARDOUS POLYMERIZATION PRODUCTS:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and carbon dioxide

TOXICOLOGY INFORMATION

ACUTE TOXICITY

ORAL (LD50) (RAT):	>2000 mg/Kg
DERMAL (LD50) (RABBIT):	Not Available
INHALATION (LC50):	Not Available
SKIN IRRITATION:	Mild skin irritation
EYE IRRITATION:	Mild eye irritation

ECOLOGICAL INFORMATION

COMMENT: This product is very easily biodegradable (90%) and does not cause difficulties in waste water treatment plants. Being water insoluble & lighter than water, large amounts of contamination can be separated using typical standard oil/fats separators

ECO TOXICITY: Data not available.

MODE OF DISPOSAL

METHODS OF DISPOSAL: Disposal methods to be in accordance with local, federal and state environmental regulations.

TRANSPORT RECOMMENDATIONS

UN NUMBER:

LAND ROAD / RAILWAY:

ADR/RID CLASS:	CHEMICAL N.O.S. (NON-REGULATED)
ADR/RID ITEM NUMBER:	CHEMICAL N.O.S. (NON-REGULATED)

INLAND WATERWAYS:

ADNR CLASS: CHEMICAL N.O.S. (NON-REGULATED)

SEA:

IMDG CLASS: CHEMICAL N.O.S. (NON-REGULATED)
IMDG PAGE NUMBER: CHEMICAL N.O.S. (NON-REGULATED)

AIR:

IATA-DGR CLASS: CHEMICAL N.O.S. (NON-REGULATED)
NATIONAL TRANSPORT REGULATIONS: CHEMICAL N.O.S. (NON-REGULATED)

REGULATORY INFORMATION

EC - REGULATIONS: This product is not classified as dangerous according to EEC directive

OTHERS: According to available data, fatty alcohol is not a dangerous chemical. However, one should observe the usual precautionary measures for dealing with chemicals according to local, state and federal regulations & requirements.

R-phrases: None

S-phrases: None



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