

Material Safety Data Sheet



PRODUCT NAME: AHCOHOL 1895

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

Trade Name: AHCOHOL 1895
Chemical Name: Stearyl Alcohol, Octadecanol, Octadecyl Alcohol
DATE: April 17, 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 / INGREDIENTS

Chemical Name: Stearyl Alcohol, 95% minimum purity
% Compound: 100
CAS Number: 112-92-5
EINECS Number: 204-017-06

HAZARD IDENTIFICATION

ENVIRONMENTAL HAZARDS: None identified

HUMAN HEALTH HAZARDS EFFECT AND SYMPTOMS:

INGESTION: May cause slight irritation to gastrointestinal tract
INHALATION: No harmful 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 to an unconscious person.
INHALATION: Remove 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: CO₂, dry chemical: or water fog or foam
SUITABLE: CO₂, 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 or fire.

UNUSUAL FIRE/EXPLOSION HAZARDS: None

HAZARDOUS THERMAL DECOMPOSITION: On decomposition, gives CO₂, 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.

CLEAN-UP METHOD: 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: None required when adequate ventilation is available at ambient temperature. In presence of mist/vapor, use self-contained NIOSH/MSHA approved respirator.

SKIN AND BODY: Uniform, apron and rubber boots

HANDS: Rubber gloves

EYES: Safety goggles, face mask

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PHYSICAL AND CHEMICALS PROPERTIES

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APPEARANCE @ 30°C:	Solid
COLOR:	White
ODOR:	Practically no odor
BOILING RANGE, °C:	330 – 360
MELTING RANGE, °C:	56 – 60
SOLUBILITY IN WATER:	Insoluble in water
SOLUBILITY OIL & SOLVENTS:	Not Available
RELATIVE DENSITY:	0.815 @ 60°C
VAPOUR DENSITY (AIR=1):	Not Available
VAPOUR PRESSURE, mm of Hg:	<10 mm @ 22°C
FLASH POINT:	Approx. 195 C, PMCC
AUTO IGNITION TEMP.:	250°C
EXPLOSION LIMIT:	
UPPER:	1%
LOWER:	1%
AVERAGE MOLECULAR WT.:	267 – 280

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STABILITY AND REACTIVITY

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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

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TOXICOLOGY INFORMATION

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ACUTE TOXICITY	
ORAL (LD50) (RAT):	>20.5 g/Kg
DERMAL (LD50) (RABBIT):	Not Available
INHALATION (LC50):	Not Available
SKIN IRRITATION:	No irritation in human being observed in repeated insult test done using undiluted product.
EYE IRRITATION:	Mild, transient irritation. Mild irritation observed in rabbits @ 500mg dosage level of undiluted product
SENSITIZATION:	Not Available
CHRONIC TOXICITY:	Not Available
CARCINOGENICITY:	Not Available

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ECOLOGICAL INFORMATION

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

DISPOSAL CONSIDERATIONS

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 TRANSPORTATION REGULATIONS: CHEMICAL N.O.S. (NON-REGULATED)

REGULATORY INFORMATION

EC - REGULATIONS: Fatty Alcohol is not classified as dangerous, according to EEC directive. However, one should observe the usual precautionary measures for dealing with chemicals according to local, state and federal regulations & requirements.

Avoid release to the environment and observe precautionary measures for handling the chemicals as per the federal state and local requirements.

The product AHC0H0L 1895 is contained in the following inventories:

U.S. Federal, TSCA	European Union
United States	Japan
Australia	Korea
Canada	New Zealand
China	Philippines

OTHER INFORMATION

This document has been prepared from the best of knowledge available with us and does not constitute any warranty or guarantee as to quality, properties, conditions or otherwise of the product. The manufacturer makes no warranties on the adequacy of the information provided in this document. The user of the product has to evaluate his/her own optimum conditions of storage to handle / use this product safely.

HMIS Information: Health: 1 Flammability: 1 Reactivity: 0