

BEER

Safety Data Sheet

Version 1.0 Revision Date: June 4, 2015

Section 1: Identification of the substance/mixture and the supplier

1.1 Product identifier:

Product Name: **Beer (Ethyl Alcohol)** (a.k.a.: Ale, Stout, Malt Liquor)
Brand: Various Brands
CAS Number: 64-17-5

1.2 Identified uses of the substance or mixture and uses advised against:

Human consumption

1.3 Supplier of this Safety Data Sheet:

Cold Beers Unlimited LLC
2665 Main St. Ste. 210
Santa Monica, CA 90405

Telephone: **310-869-1577**

1.4 Emergency Phone Number:

310-869-1577

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

H303 May be harmful if swallowed

H340 May harm the unborn child if consumed at more than a moderate level

H373 May cause damage to the liver through prolonged and/or repeated consumption

H402 Harmful to aquatic life

2.2 Non-Flammable

2.3 Label Elements:



Pictograms:

Signal Word: **Warning**

Hazard Statements:

H303 May be harmful if swallowed

H340 May harm the unborn child if consumed at more than a moderate level

H373 May cause damage to the liver through prolonged and/or repeated consumption

H402 Harmful to aquatic life

Precautionary Statement: Do not consume in large quantities.

Section 3: Composition/Information in ingredients

3.1 Hazardous Ingredients:

CAS Number:	Hazardous Component:	Percentage:
64-17-5	Ethyl Alcohol	4% - 11%

LD50 LC50 Mixture:

Oral LD50 (Rat) IS 7,060 mg/kg (Ethanol)

Section 4: First Aid measures

4.1 Description of First Aid Measures:

Signs And Symptoms Of Overexposure:

Concentrations below 1,000 ppm usually produce no signs of intoxication. Exposure to concentrations over 1,000 ppm may cause headache, irritation of the eyes, nose, and throat, and if continued for an hour, drowsiness and lassitude, loss of appetite and inability to concentrate.

General Advice: In case of consumption contact a physician

If Inhaled: Not a likely means of exposure

In Case of Skin Contact: Wash off with soap and water. No adverse effects should be noted

In Case of Eye Contact: Rinse thoroughly with plenty of water

If Swallowed: A large amount would have to be ingested to cause any problem. Consult a physician

Section 5: Firefighting measures

5.1 Extinguishing media:
None needed - beer is a water based liquid

5.2 Special hazard arising from the substance or mixture:
None expected

5.3 Non-Flammable - this is a water based liquid

5.4 Further information:
None

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

None needed under normal use.

6.2 Environmental precautions:

Prevent further leakage, or spillage, if safe to do so. Do not let product enter sewer drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up:

Contain spillage, collect the liquid and pump it into a container for proper disposal according to local regulations.

6.4 Reference to other sections:

For disposal see Section 13

Section 7: Handling and storage

7.1 Precautions for safe handling:

No special precautions needed

7.2 Conditions for safe storage - including any incompatibilities:

Keep container tightly closed in a cool, dry and well ventilated place. Handle and store in specially designed containers. No incompatibilities noted.

7.3 Specific end use(s):

As a consumable alcoholic liquid - beer

Section 8: Exposure controls/personal protection

8.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday

8.2 Personal Protective equipment:

Eye/Face protection: Safety glasses

Hand protection: Liquid resistant gloves

Respiratory Protection: None needed under normal use

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

- | | | |
|----|----------------|--------------------------------------|
| a) | Appearance | Yellow to dark brown |
| b) | Odor | Floral, herbal, bready, yeasty smell |
| c) | Odor Threshold | No data available |

d)	pH	3.9 to 4.6
e)	Melting point/freezing point	26 to 28°F
f)	Initial boiling point and boiling range	203°F to 212°F (Very similar to water)
g)	Flash point	NA
h)	Evaporation rate	No data available
i)	Flammability (Solid/Gas/Liquid)	Non-Flammable, Liquid
j)	Upper/lower flammability or explosive limits	Upper Explosion Limit: NA Lower Explosion Limit: NA
k)	Vapor Pressure	NA
l)	Vapor density	NA
m)	Water solubility	Completely miscible
n)	Auto-ignition Temperature	NA
o)	Decomposition Temperature	NA
p)	Viscosity	1.8 CentiStokes (cSt) (Very similar to water)
q)	Explosive properties	NA
r)	Oxidizing properties	NA

9.2 Other Safety Information: None

Section 10: Stability and reactivity

10.1 Reactivity:

This material may slowly react with oxidizers

10.2 Chemical stability:

Stable under recommended storage conditions

10.3 Possibility of hazardous reaction:

None identified

10.4 Conditions to avoid:

Oxidizers can end up turning the beer into Malt Vinegar.

10.5 Incompatible materials:

Limited Oxidizers

10.6 Hazardous decomposition products:

None identified

Section 11: Toxicological information

Acute Toxicity:

The following data is for close to pure Ethanol

Serious eye damage/eye irritation:

eye-rabbit 79 mg
eye-rabbit 100 mg/24H MOD
eye-rabbit 100 mg/4S rns MOD

Respiratory or skin sensitization:

skin-rabbit 400 mg open MLD
skin-rabbit 500 mg/24H SEV

Germ cell mutagenicity:

No data available

Carcinogenicity:

Tumorigenic

Data:

TDLo: orl-mus 320 mg/kg/50W-I
TD : orl-mus 400 gm/kg/57W-I
TDLo: rec-mus 120 gm/kg/18W-I

Review:

IARC Cancer Review: Animal Inadequate Evidence
IARC human carcinogen (Group 1)

Reproductive toxicity:

No data available

Specific target organ toxicity - single exposure:

No data available

Specific target organ toxicity - repeated exposures:

No data available

ORAL LD50:

Mouse – 3450 mg/kg, Savchenkov 1967
Rat – 7060 mg/kg, Wiberg et al. 1970

INHALATION LC50:

Rat – 20,000 ppm, NPIRI 1974
Mouse – 20,363 ppm,

Aspiration hazard:

No data available

Human data: It was reported in a clinical study that concentrations greater than 20,900 ppm were intolerably irritating and 15,000 ppm caused continuous lacrimation

and coughing while concentrations between 5,200 and 10,400 ppm allowed work to be carried on, but with a certain amount of discomfort [Lester and Greenberg 1951]. In this same study, it was determined that 62% of the ethyl alcohol inhaled was absorbed [Lester and Greenberg 1951].

Section 12: Ecological information

12.1 Toxicity:

Toxicity to fish:

No data available - avoid any release to the environment

Toxicity to other aquatic invertebrates:

No data available - avoid any release to the environment

12.2 Persistence and Degradability

Biodegradability:

No data available

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

Results of testing:

No data available

Other adverse effects:

No data available

Section 13: Disposal considerations

13.1 Waste treatment methods:

Dispose of according to federal, state and local regulations. Do not release into the environment.

Section 14: Transportation information

14.1 UN Number

ADR/RID: 1MDG

UN proper shipping name:

ADR/RID: T3 UN Portable Tank

14.2 Transportation hazard class(es)

ADR/RID: TC Impact Approved

Packaging Group

ADR/RID: AAR600

Aircraft not permitted for transport.

14.3 Environmental hazards:

ADR/RID: TC Impact Approved

14.4 Special precautions for user:

No data available

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR Part 302.4):

This product contains no substances listed.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355

SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200 (d)

SARA TITLE III SECTION 313 (40 CFR Part 372): This product contains no substances listed.

15.2 Chemical Safety Assessment

A chemical safety assessment was not completed for this product.

Section 16: Other information

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. **Cold Beers Unlimited, LLC** shall not be held liable for any damage resulting from handling, contact with the above product nor as the result of improper disposal/release to the environment.