

Issue Date 18-Nov-2012

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name Bottoms Up

Other means of identification

SDS # CC-05

UN/ID No NA1993

Recommended use of the chemical and restrictions on use

Recommended Use Shampoo.

Details of the supplier of the safety data sheet

Supplier Address

Chris Christensen Systems Inc.
PO Box 961
Fairfield, TX 75840

Emergency telephone number

Company Phone Number 903-389-7949
800-654-7006
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 4
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Signal word

Warning

Hazard statements

Combustible liquid

Appearance Blue viscous liquid

Physical state liquid

Odor Fresh clean odor

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
SD Alcohol 40 (190 Proof)	64-17-5	0-10	*

4. FIRST AID MEASURES

First aid measures

Inhalation	Remove to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact	Wash off immediately with plenty of water. Call a physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms	Vapors may cause irritation to throat. Direct contact with eyes may cause temporary irritation. May cause diarrhea.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing MediaCarbon dioxide (CO₂). Water spray (fog).**Unsuitable Extinguishing Media** Not determined.**Specific hazards arising from the chemical**

None in particular.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from heat, sparks / flame.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
SD Alcohol 40 (190 Proof) 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear approved safety goggles.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	Odor	Fresh clean odor
Appearance	Blue viscous liquid	Odor threshold	Not determined
Color	Blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6.8-7.5	
Melting point/freezing point	-1 °C / 30 °F	
Boiling point/boiling range	> 76.7 °C / 170 °F	
Flash point	> 71 °C / > 160 °F	
Evaporation rate	Not established	
Flammability (solid, gas)	Not determined	
Flammability Limits in Air		
Upper flammability limits	Not established	
Lower flammability limit	Not established	
Vapor pressure	Not established	
Vapor density	Not established	
Specific Gravity	1.00-1.05	
Water solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	Not determined	
Oxidizing properties	Not determined	

Other Information

VOC Content (%) 87%

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Excessive heat.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Avoid breathing vapors or mists.
Eye contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.

Ingestion Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
SD Alcohol 40 (190 Proof) 64-17-5	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Vapors may cause irritation to throat. Direct contact with eyes may cause temporary irritation. May cause diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
SD Alcohol 40 (190 Proof) 64-17-5	A3	Group 1	Known	X

Numerical measures of toxicity- Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 88496 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
SD Alcohol 40 (190 Proof) 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through >100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50

Persistence and degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Chemical Name	Partition coefficient
SD Alcohol 40 (190 Proof) 64-17-5	0

Other adverse effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
SD Alcohol 40 (190 Proof) 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

Note DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)"

DOT

UN/ID No NA1993
Proper shipping name Combustible liquid, n.o.s. (ethanol)
Hazard Class Comb liq
Packing Group III

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

US State Regulations

Chemical Name	California Proposition 65
SD Alcohol 40 (190 Proof) - 64-17-5	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
SD Alcohol 40 (190 Proof) 64-17-5	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

NFPA	Health hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health hazards	Flammability	Physical hazards	Personal protection
	1	1	0	Not determined

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Revision Note

new format

Disclaimer

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End of Safety Data Sheet