SAFETY DATA SHEET (SDS)

NAME OF PRODUCT: Cool Mist Astringent

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Cool Mist Astringent
Bulk Number: 301950
Item Number: 56678

MANUFACTURER: Marianna Industries
ADDRESS: 11222 I St Omaha NE

EMERGENCY PHONE: (800) 457-4280
INFOTRAC PHONE: (800) 457-4280
OTHER CALLS: 402-593-0611
FAX PHONE: 402-593-0614

PRODUCT USE: Astringent
PREPARED BY: Steve Hudson
DATE PREPARED: 11MAR2016

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

CHEMICAL NAMES: Flammable liquid, Ethanol, Tert-Butyl Alcohol, Denatonium Benzoate

CAS No.	Chemical Name	% by Weight/Weight	SARA	OSHA	ACGIH
3734-33-6	Deatonium Benzoate	< 0.1	None	None	
64-17-5	Ethanol	< 35	1000 ppm	1000 ppm	
75-65-0	tert-Butly alcohol	< 0.1	1000 ppm	1000 ppm	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Hazardous Identification Information:
Poisonous! Danger! May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Vapor is Harmful. Flammable! Affects central nervous system. Causes irritation to skin, eyes, and respiratory tract. May affect liver, blood, reproductive system.

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Liquid and vapor may cause irritation. Splashes may cause temporary pain and blurred vision. Remove Contaminated Clothing. Clean before reuse Flush immediately with cool running water for at least 15 to 20 minutes, separating eyelids with fingers. Consult a physician.

SKIN CONTACT: May cause irritation, cracking, flaking, and de-fatting of skin on prolonged contact. .

INHALATION: May cause irritation to the mucous membranes of the upper respiratory tract. Exposure over 1000 ppm may cause headache, drowsiness, lassitude, loss of appetite, inability to concentrate, and throat irritation. immediately.

IINGESTION: Can cause depression of Central Nervous System, nausea, vomiting, diarrhea, intoxication, and in acute cases can cause death. May be harmful or fatal if swallowed. necessary.

CHRONIC EFFECTS OF EXPOSURE: Damage may occur to heart, kidneys and liver.
People with pre-existing skin disorders, eye problems, or impaired kidney or liver function bay be more susceptible to effects.

SECTION 4: FIRST AID MEASURES

EYES: Wash eyes with col water for 10-15 minutes

SKIN: Remove contaminated clothing. Clean before reuse. Wash with soap and water, then rinse with water. Consult a physician

INGESTION: Conscious or able to swallow—Have victim drink water or milk to dilute. Never Give Anything By Mouth If Unconscious or Convulsing. Call a Physician and / or Poison Control Immediately. Induce vomiting only if advised by the Physician or Poison Control. Immediate medical attention may be

INHALATION: Immediately remove to fresh air. If victim has stopped breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

May cause Alcohol poisoning.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: 55.0 F CC
Lower Explosive Limit: (Ethanol) 3.3%
Upper Explosive Limit: (Ethanol) 19.0%
METHOD USED: Closed Cup.

EXTINGUISHING MEDIA: Use Dry Chemical: Alcohol Foam, Carbon Dioxide. Water may be ineffective but water should be used to keep fire-exposed container(s) cool.

SPECIAL FIRE FIGHTING INSTRUCTIONS: If leak / spill has not ignited, use water spray to disperse vapors and protect people attempting to stop the leak. Water spray may be used to flush spills away from exposure and to dilute spills to non-flammable mixtures. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece in pressure demand or other positive pressure mode. Water can be used to extinguish flames and cool fire-exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Above flashpoint, vapor –air mixtures are explosive. Vapors can flow along surfaces to ignition sources and flash back. Sealed containers may rupture when heated. Sensitive to static discharge. Alcohol flames may be difficult to see because they are virtually colorless. Combustion products include but not limited to Carbon Dioxide and Carbon Monoxide. Vaporizes easily at room temperatures. Prevent buildup of vapors **.**

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:
Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriated container or absorb with an inert material (Vermiculite, dry sand, earth, ect.) and place in a chemical waste container. D NOT use combustible materials, such as sawdust. Do Not flush to sewer!

SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: None required under normal use

PROTECTIVE GLOVES: None required under normal use

RESPIRATORY PROTECTION: None required under normal use

OTHER PROTECTION: None required under normal use

VENTILATION: None required under normal use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Green liquid

ODOR: Pleasant

PHYSICAL STATE: liquid

pH (Other): 6-8

BOILING POINT:
C: 82
SPECIFIC GRAVITY (H2O = 1):
0.930-0.960 @22 C

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: Complete

VOLATILE ORGANIC COMPOUNDS (VOC): 3%

SECTION 10: STABILITY AND REACTIVITY

STABLE **UNSTABLE**

STABILITY: Stable under normal conditions.

INCOMPATIBILITY: (Materials to avoid) Strong Oxidants, Silver Salts, Acid Chlorides, Alkali Metals, Metal Hydrazine, and many other substances.

DECOMPOSITION/ BT PRODUCTS: Carbon Dioxide, Carbon Monoxide.

HAZARDOUS POLYMERIZATION: None

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 64-17-5: KQ6300000
CAS# 7732-18-5: ZC0110000
LD50/LC50:
CAS# 64-17-5:
Draize test, rabbit, eye: 500 mg Severe;
Draize test, rabbit, eye: 500 mg/24H Mild;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 39 gm/m3/4H;
Inhalation, rat: LC50 = 20000 ppm/10H;
Oral, mouse: LD50 = 3450 mg/kg;
Oral, rabbit: LD50 = 6300 mg/kg;
Oral, rat: LD50 = 9000 mg/kg;
Oral, rat: LD50 = 7060 mg/kg;
CAS# 7732-18-5:
Oral, rat: LD50 = >90 mL/kg;
Carcinogenicity:
CAS# 64-17-5:
ACGIH: A4 - Not Classifiable as a Human Carcinogen CAS# 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: Ethanol has been shown to produce fetotoxicity in the embry o or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of co ngenital malformations that have collecetively been termed the "fetal alcohol syndrome".
Teratogenicity: Oral, Human - woman: TDLo = 41 gm/kg (female 41 week(s) after conception) Effects on Newborn - Apgar score (human only) and Effects on Newborn - other neonatal measures or effects and Effects on Newborn - drug dependence.
Reproductive Effects: Intrauterine, Human - woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility - female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).
Neurotoxicity: No information available.
Mutagenicity: DNA Inhibition: Human, Lymphocyte = 220 mmol/L.; Cytogenetic Analysis: Human, Lymphocyte = 1160 gm/L.; Cytogenetic Analysis: Human, Fibroblast = 12000 ppm.; Cytogenetic Analysis: Human, Leukocyte = 1 pph/72H (Continuous).; Sister Chromatid Exchange: Human, Lymphocyte = 500 ppm/72H (Continuous).
Other Studies: Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize Test: Administration into the eye (rabbit) = 500 mg (Severe)..

SECTION 12: ECOLOGICAL INFORMATION

Ethanol:
Soil: Readily biodegrades, quickly evaporates, leaches into groundwater.
Water: Readily biodegrades, evaporates to moderate extent. Does not bio-accumulate.
Air: Readily degrades by reaction with photo-chemically produced hydroxyl radicals, readily removed by dry and wet deposition, has a half-life between 1 and 20 days/

SECTION 13: DISPOSAL CONSIDERATIONS

ACTION TO TAKE FOR SPILLS/LEAKS: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriated container or absorb with an inert material (vermiculite, dry sand, earth, etc.) and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer.

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal agencies.
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SECTION 14: TRANSPORT INFORMATION

DOMESTIC (LAND D.O.T.)

Proper Shipping Name: Flammable N.O.S. Ethanol/ tert-butyl alcohol/ Denatonium Benzoate
Hazard Class: 3 (Flammable Liquid)
UN / NA: UN 1993
Packing Group: II
Emergency Response Guide # 127

THE SHIPPING CARTON IDENTIFICATION MUST BE LISTED THE SAME AS THE DESCRIPTION ON THE MSDS!!

INTERNATIONAL (Water, I.M.O.)

Proper Shipping Name Flammable N.O.S. Ethanol/ tert-butyl alcohol/ Denatonium Benzoate
Hazard Class: 3 (Flammable Liquid)
UN / NA: UN 1993
Packing Group: II
Emergency Response Guide # 127

THE SHIPPING CARTON IDENTIFICATION MUST BE LISTED THE SAME AS THE DESCRIPTION ON THE MSDS!!

SECTION 15: REGULATORY INFORMATION

US FEDERAL
TSCA
CAS# 64-17-5 is listed on the TSCA inventory.
CAS# 7732-18-5 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA
CERCLA Hazardous Substances and corresponding RQs
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 64-17-5: acute, chronic, flammable.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this

product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 64-17-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

F

Risk Phrases:

R 11

F

Risk Phrases:

R 11 Highly flammable.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 33 Take precautionary measures against static discharges.

S 7 Keep container tightly closed.

S 9 Keep container in a well-ventilated place.

WGK (Water Danger/Protection)

CAS# 64-17-5: 0

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 64-17-5 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List

This product has a WHMIS classification of B2, D2A, D2B.

Canadian Ingredient Disclosure List

CAS# 64-17-5 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits

CAS# 64-17-5: OEL-AUSTRALIA:TWA 1000 ppm (1900 mg/m3) OEL-BELGIUM:TWA 1000 ppm (1880 mg/m3) OEL-CZECHOSLOVAKIA:TWA 1000 mg/m3;STEL 5000 mg/m3 OEL-DENMARK:TWA 1000 ppm (1900 mg/m3) OEL-FINLAND:TWA 1000 ppm (1900 mg/m3);STEL 1250 ppm (2400 mg/m3) OEL-FRANCE:TWA 1000 ppm (1900 mg/m3);STEL 5000 pp OEL-GERMANY:TWA 1000 ppm (1900 mg/m3) OEL-HUNGARY:TWA 1000 mg/m3;STEL 3000 mg/m3 OEL-THE NETHERLANDS:TWA 1000 ppm (1900 mg/m3) OEL-THE PHILIPPINES:TWA 1000 ppm (1900 mg/m3) OEL-POLAND:TWA 1000 mg/m3 OEL-RUSSIA:STEL 1000 mg/m3 OEL-SWEDEN:TWA 1000 ppm (1900 mg/m3) OEL-SWITZERLAND:TWA 1000 ppm (1900 mg/m3) OEL-THAILAND:TWA 1000 ppm (1900 mg/m3) OEL-TURKEY:TWA 1000 ppm (1900 mg/m3) OEL-UNITED KINGDOM:TWA 1000 ppm (1900 mg/m3) JAN9 OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

SECTION 16: OTHER INFORMATION

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond this company's control, it is the users responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA and FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.