OSHA Hazard Communication Standard 29 CFR 1900.1200
Prepared to GHS Rev. 4

SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Hot Tamale

Product Use: Surface Cleaner and Degreaser

Use Restrictions: For Industrial and Professional Use Only

Manufacturer: Ultra-Look Corp.
4860 Drane Field Rd.
Lakeland, FL 33811
Phone: 863-607-6700

Transportation Emergency: 800-535-5053 (INFOTRAC)

SECTION 2- HAZARDS IDENTIFICATION

1) GHS Classification of the substance or mixture:

Corrosive to metals- Category 1
Skin corrosion/irritation- Category 2
Acute toxicity, oral- Category 4
Serious eye damage/eye irritation- Category 1
Hazardous to the aquatic environment, acute hazard - Category 3

2) Label Elements:

Signal Word: Danger

Hazard Statements:
H290: May be corrosive to metals.
H302- Harmful if swallowed
H315- Causes skin irritation
H319- Causes serious eye irritation
H335- May cause respiratory irritation

Precautionary Statements:
P102- Keep out of reach of children
P234- Keep only in original container
P260- Do not breathe fume/mist/vapors/spray
P262- Do not get in eyes, on skin, or on clothing
P264- Wash skin thoroughly after handling
P280- Wear chemical resistant protective gloves and splash proof eyewear

Response Statements:
P370+P378- In case of fire; Use water spray, carbon dioxide, dry chemical or alcohol foam for extinction.
P303+P353+P361+P363- IF ON SKIN (or hair): Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.
P304+P340+ IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage and Disposal Statements:
P403- Store in a well-ventilated place.
P405- Store locked up.
P501- Dispose of contents/container in accordance with local/regional/national regulation.

Other Hazards:
OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

HMIS Classification:
Health Hazard- 1
Chronic Health Hazard- 0
Flammability- 0
Physical Hazards- 2c

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Common Name	CAS #	PERCENTAGE	HAZARDOUS
2-Butoxy Ethanol	111-76-2	1-5%	Yes
Sodium Hydroxide	1310-73-2	1-5%	Yes
Sodium Metasilicate	10213-79-3	1-5%	Yes

SECTION 4- FIRST AID MEASURES

Inhalation: If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.
Skin: Immediately flush affected area with lots of water for at least 2 minutes. Remove contaminated clothing and wash before reuse.
Eyes: Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.
Ingestion: Immediately give a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5-FIRE FIGHTING MEASURES

Flash Point: None to boiling
Autoignition Temperature: Non combustible
Lower Explosive Limit: N/A **Upper Explosive Limit:** N/A
General Hazards-
Fire: Product is not flammable or combustible.
Suitable Extinguishing Media: As required to fight surrounding fire.
Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire and Explosion Hazards: None known
Hazardous Combustion Products: None known

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.
Environmental precautions: Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

SECTION 7- HANDLING AND STORAGE

Precautions for safe handling:
Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapour or mist. Use only with adequate ventilation.
Conditions for safe storage:
Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
2-Butoxy Ethanol	111-76-2	25 ppm	50 ppm
Sodium Hydroxide	1310-73-2	2 mg/m3	2 mg/m3
Sodium Metasilicate	10213-79-3	Not established*	Not established*

*Manufacturer recommends: 2 mg/m3 exposure limits

Personal Protective Equipment-

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
Hand protection: Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye Protection: Wear safety glasses with side shields.
Skin and Body Protection: Where extensive dermal exposure may be expected, a chemical apron is recommended.
Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Products Description:	Clear red liquid with characteristic odor
Solubility in Water:	Complete
Boiling Point:	212°F
Specific Gravity (WATER=1):	1.01
Vapor Pressure (mmHg):	N/D
Vapor Density (AIR=1):	N/D
Percent Volatile by Volume (%):	> 80.00
Evaporation Rate (WATER=1):	Approaches water
Flash Point (C.O.C.):	None
pH (1% w/w in water):	> 12.5
Biodegradable:	100% before mixing with soil

SECTION 10- STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions.
Material to Avoid: Avoid contact with acids and strong oxidizers such as permanganate, chlorine, ect.
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: None

SECTION 11- TOXICOLOGICAL INFORMATION

2-Butoxyethanol- (CAS 111-76-2)-

Toxicity:

Acute oral toxicity- LD50 Oral: 1,414 mg/kg
Species: guinea pig
Remarks: Ingestion may cause weakness, confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

Acute inhalation toxicity- LC50: ~ 932 ppm
Exposure time: 4 HOURS
Species: guinea pig
Remarks: Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

Acute dermal toxicity- LD50: > 2,000 mg/kg
Species: guinea pig
Remarks: Minimal hazard by skin contact with liquid or vapor. This material may be absorbed through the skin. High dermal doses (most likely achieved from exposure to undiluted liquid) may cause weakness, headache and nausea. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

Skin corrosion/irritation- causes moderate skin irritation.

Serious eye damage/eye irritation- causes moderate eye damage.

Respiratory or skin sensitization: this product is not expected to cause skin sensitization.

Reproductive toxicity: OECD Test No. 416: Two-Generation Reproduction Toxicity Study (Mouse, Male and Female); NOAEL: 720 mg/kg; NOAEL: 720 mg/kg; NOAEL: 720 mg/kg; Ingestion

Developmental toxicity: Rat, Male and Female; NOAEL: 100 mg/kg; NOAEL: 30 mg/kg; Ingestion

Specific target organ toxicity -single exposure: Not classified.

Specific target organ toxicity -repeated exposure: Not classified.

Aspiration hazard: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Sodium Hydroxide- (CAS 1310-73-2)-

Toxicity:

Acute oral toxicity- LD50 Oral: 300-500 mg/kg
Species: Rat
Remarks: Ingestion may cause digestive tract burns. Harmful if swallowed.

Acute inhalation toxicity- No data available

Acute dermal toxicity- LD50: 1,350 mg/kg
Species: Rabbit
Remarks: Contact with skin may cause severe skin burns and eye damage.

Skin corrosion/irritation- Causes severe skin burns

Serious eye damage/eye irritation- causes serious eye damage

Respiratory or skin sensitization:

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: this product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1 % are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -single exposure: Not classified.

Specific target organ toxicity -repeated exposure: Not classified.

Aspiration hazard: not an aspiration hazard.

Other chronic effects: prolonged inhalation may be harmful.

Sodium Metasilicate, pentahydrate (CAS 10213-79-3)-

Toxicity:

Acute oral toxicity- LD50 Oral: 1152-1349 mg/kg bw
Species: Rat
Remarks: Material will cause chemical burns.

Acute inhalation toxicity- LC50: > 2,06 g/m3
Species: Rat
Remarks: Dust is severely irritant to the respiratory tract.

Acute dermal toxicity- LD50: > 5000 mg/kg bw
Species: Rat
Remarks: Material will cause chemical burns

Skin corrosion/irritation- Corrosive to skin.

Serious eye damage/eye irritation- Corrosive to eyes.

Respiratory or skin sensitization: Not sensitising (LLNA).

Germ cell mutagenicity: No evidence of genotoxicity. In vitro/in vivo negative.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity:

Effects on fertility- NOAEL (rat) > 159 mg/kg bw/d

Developmental toxicity: NOAEL (mouse) > 200 mg/kg bw/d.

Specific target organ toxicity -single exposure: Irritating to respiratory system.

Specific target organ toxicity -repeated exposure:
NOAEL oral (rat): 227 mg/kg bw/d
NOAEL oral (mouse): 260 mg/kg bw/d

Aspiration hazard: not classified

SECTION 12- ECOLOGICAL INFORMATION

2-Butoxyethanol- (CAS 111-76-2)-

Ecotoxicity:

Aquatic toxicity (fish)-LC-50: 1,474 mg/l
Duration: 96 hours
Species: Oncorhynchus mykiss,

Aquatic toxicity (Aquatic Invertebrates)- EC-50: 1,550 mg/l
Duration: 48 hours
Species: water flea

Chronic hazards to the aquatic environment:
Toxicity (fish)- NOEC >100 mg/l
Duration: 21 days
Species: Zebra Fish

Toxicity (Aquatic Invertebrates)- NOEC: 100 mg/l
Duration: 21 days
Species: daphnid

Toxicity (Aquatic Plants)- EC-50: 1,840 mg/l
Duration: 72 hours
Species: Algae (Pseudokirchneriella subcapitata)

Persistence and degradability: 90.4 % (28 d) Readily biodegradable

Bioaccumulative potential: Potential to bioaccumulate is low.

Partition Coefficient n-octanol / water (log Kow) : Log Kow: 0.81 20 °C

Mobility in soil: Expected to partition to water.

Sodium Hydroxide- (CAS 1310-73-2)-

Ecotoxicity: Harmful to aquatic life with long lasting effects

Aquatic toxicity (crustacea)-EC-50: 47.13 mg/I
Duration: 48 hours
Species: water flea (Ceriodaphnia dubia)

Aquatic toxicity (fish)-LC-50: 125 mg/l
Duration: 96 hours
Species: Western mosquitofish (Gambusia affinis)

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Sodium Metasilicate, pentahydrate (CAS 10213-79-3)-

Ecotoxicity:
Aquatic toxicity (fish)- LC50: 210 mg/l
Species: Brachydanio rerio
Duration: 96 hours

Aquatic toxicity (Aquatic Invertebrates)- EC50: 1700 mg/l
Species: Daphnia magna
Duration: 48 hours

Toxicity (Aquatic Plants)- EC50: 207 mg/l
Species: Algae (cyanobacteria)
Duration: 72 hours

Persistence and degradability: Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica. They combine with ions like Ca, Mg, Fe, Al and others to end up as insoluble compounds similar to constituents of natural soils.

Bioaccumulative potential: Inorganic. The substance has no potential for bioaccumulation.

Mobility in soil: No data available

Other adverse effects: The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

SECTION 13- DISPOSAL CONSIDERATIONS

Further information: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14- TRANSPORT INFORMATION

Transport in accordance with all federal, state and local regulations.

DOT (Department of Transportation)-
UN Number: UN 3266
UN proper shipping name: Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide)
Hazard class: 8
Packing group: II

SECTION 15- REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4):
Sodium Hydroxide (CAS 1310-73-2)

SARA 304 Emergency release notification:
Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
Not listed.

SARA 302 Extremely hazardous substance:
Not listed.

SARA 311/312 Hazardous Chemical:
2-Butoxyethanol (CAS 111-76-2)- immediate (acute) health hazard ; delayed (chronic) health hazard ; fire hazard

SARA 313 (TRI reporting):
2-Butoxyethanol (CAS 111-76-2)

Other federal regulations-

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
Not regulated.

US state regulations-

US - California Candidate Chemicals: Listed on initial list:
Sodium Hydroxide (CAS 1310-73-2)

US. Massachusetts RTK - Substance List:
Sodium Hydroxide (CAS 1310-73-2)

US. New Jersey Worker and Community Right-to-Know Act:
Sodium Hydroxide (CAS 1310-73-2)

US. Pennsylvania Worker and Community Right-to-Know Law:
Sodium Hydroxide (CAS 1310-73-2)

US. Rhode Island RTK
Sodium Hydroxide (CAS 1310-73-2)

US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16- OTHER INFORMATION

References: Not available
Other Special Considerations: Not available
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