Product Name: Ultra TLC
Revision Date: 11/6/2013

SAFETY DATA SHEET

SECTION 1 MATERIAL AND MANUFACTURER IDENTIFICATION

PRODUCT

Product Identifier: Ultra TLC
Intended Product Use: Spotter/Traffic Lane Cleaner
Manufacturer Identification Code: 3260

MANUFACTURER

Chemical Technologies International Inc.
P.O. Box 968
Rancho Cordova, CA 95741 USA
Phone: (916) 638-1315 Fax: (916) 638-0712
24 hours Emergency Assistance Calls (USA): CHEMTREC (800) 424-9300
Please reference name and manufacturers identification number

SECTION 2 HAZARD(S) INDENTIFICATION

GHS CLASSIFICATION

Flammable Liquid (Category 4)
Acute toxicity, Oral (Category 4)
Skin irritation (Category 2)
Skin sensitization (Category 1)
Eye irritation (Category 2A)
Acute toxicity, Inhalation (Category 5)

Routes of Exposure: Eye contact, skin contact, inhalation, and ingestion.
Inhalation: Inhalation of mist or vapor may cause severe irritation of the respiratory tract that usually subsides after exposure ceases.
Eye Contact: Vapors may irritate eyes. Direct or prolonged contact with eyes will be painful and irritating may also cause possible permanent damage. Seek immediate medical attention for prolonged irritation.
Skin Contact: Repeated exposure may cause skin irritation, drying, chapping.
Ingestion: If swallowed will cause irritation/corrosion of the gastrointestinal tract. Seek immediate medical attention.
Carcinogenic Potential: Not established
Acute Effects: This product is considered to be a potential irritant. This product should not be used for any other purpose than the intended use in section 1.
Chronic Effects: Not established.

Health hazard	2
Flammability hazard	2
Reactivity hazard	0
Other hazard	

Signal word: **Warning**
Hazard statement(s):
H227: Combustible liquid;
H302: Harmful if swallowed;
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H320: Causes eye irritation.
H333: May be harmful if inhaled

SECTION 3 COMPOSITON/INFORMATION ON INGREDIENTS

COMPONENT	CAS #	CONCENTRATIONS
1. Surfactant Blend	not established	15-30%
2. Sodium Tripolyphosphate	7758-29-4	1-10%
3. 2-Butoxyethanol	111-76-2	1-10%
4. Sodium Metasilicate	6834-92-0	1-10%
5. D-Limonene	5989-27-5	1-10%

SECTION 4 FIRST-AID MEASURES

Inhalation: Remove from further exposure to fresh air. If respiratory irritation, dizziness, or nausea occurs seek immediate medical attention.
Eye Contact: Flush eyes with a directed stream of water for 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes immediately after exposure is essential to achieve maximum effectiveness and minimize potential irritation. If irritation persists, seek immediate medical attention.
Skin Contact: Wash contact areas with soap and water. Launder exposed clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Seek immediate medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

FLAMMABILITY PROPERTIES

Flashpoint: >90F; will not support combustion at ambient temperatures
Flammable Limits: N/A
Auto ignition Temperature: N/A

FIREFIGHTING PROCEDURES

*General Hazard***:** During a fire smoke may contain the original material in addition to toxic and or irritating compounds. Avoid heat sparks or open flame. Decomposition releases oxygen, which can intensify the fire.
Firefighting Instructions: Evacuate all unnecessary personnel. Use dry chemical or CO_2. Direct water stream may used to cool surrounding containers.
Firefighting Equipment: Firefighters should wear NICSH/MSHA approved self-contained, positive pressure breathing apparatus and full protective clothing.
Hazardous Combustion Products: During fire, smoke may contain the original material in addition to toxic and/or irritating compounds such as but not limited to: Carbon oxides, sodium oxides, silicon oxides
Unusual Fire and Explosion Hazards: Not established

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Persons performing the clean up should wear personal protective equipment sufficient to keep material away from skin. Avoid direct contact with material. See section 4 for First-Aid Advice. See section 5 for Firefighting Advice.

PROTECTIVE MEASURES

To minimize exposure to all chemicals, including this product, use good industrial hygiene and common sense. Use only in well ventilated area. If necessary, use exhaust ventilation to insure adequate ventilation. Insure that water is readily available and that you are prepared to properly wash out your eyes should the need arise. (See section 4 for more advice). Wear NIOSH/MSHA approved organic respirator when ventilation is not adequate or when the sufficiency of ventilation to maintain concentrations below exposure limits is in question. Wear chemical safety goggles to protect against splashes or contact with eyes. See OSHA 29 CFR 1910.33

CLEAN-UP PROCEDURES

Small Spills: Wipe up or mop to dispose of spill in DOT approved waste container.
Large Spills: Contain by diking with soil or other non-combustible absorbent material, and dispose into DOT approved waste container. If possible complete clean up on a dry basis. Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Contain all spills or leaks to prevent discharge into the environment. Responsibility of all spills or releases reported to the appropriate local, state and federal agencies falls upon the user.

SECTION 7 HANDLING AND STORAGE

HANDLING

This product is professional strength product to be used by professionals only. Avoid breathing vapors/mist of this product. Always keep container tightly closed and properly labels. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Impervious boots/shoes covering should be used if material is anticipated to contact feet. As with all chemicals, practice good industrial hygiene when handling this product. Always work in a well-ventilated area and avoid inhalation of product vapor or mist. Do not ingest.

The manufacturer and seller warrant that this product conforms to its standard specifications when used according to directions. As the conditions of method of its use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true but all statements and suggestions are made without any warranty, expressed or implied, regarding accuracy of the information. The hazards connected with the use of this material and the results to be obtained from the use thereof.

STORAGE

Avoid excessive heat. Avoid storage with oxidizing or reducing agents and/or acids. Employees should be trained to handle this product safely. Store the product in a cool dry area away from ignition sources. Loosen closures cautiously. Avoid storage with combustible organic materials.

Storage temperature: Store in cool dry place
Storage pressure: Atmospheric

SECTION 8 | EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS
Exposure limits have not been established for this mixture. Avoid, as far as reasonably practicable, inhalation of vapor, mists or fumes generated. Limits for components are listed below:

	OSHA PEL	ACGIH TLV	NIOSH
COMPONENT #	**TWA STEL**	**TWA STEL**	**TWA STEL**
1. Surfactant Blend	not established	not established	not established
2. Sodium Tripolyphosphate	not established	not established	not established
3. 2-Butoxyethanol	50ppm	20ppm	5ppm, 240mg/m3
4. Sodium Metasilicate	not established	not established	not established
5. D-Limonene	not established	165.5 (mg/m3)	not established

ENGINEERING CONTROLS
The level of protection and types of control will vary depending upon potential exposure conditions. If user operations generate dust, fume or mist, use adequate ventilation to keep exposure below exposure limit.

PERSONAL PROTECTION
Ventilation and engineering controls: Use only in well ventilated area. If necessary, use exhaust ventilation to insure adequate ventilation. Insure that water is readily available and that you are prepared to properly wash out your eyes should the need arise. (Refer to section 4).
Respiratory: Wear NIOSH/MSHA approved respirator when ventilation is not adequate. A NIOSH /MSHA –approved air purifying respirator with an organic vapor cartridge or canister may be advisable under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure, air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air-purifying respirators may not provide adequate protection.
Eye Protection: Wear safety goggles to protect against eye contact. See OSHA 29 CFR 1910.33
Skin: Wear chemical impervious gloves. Wear protective clothing to minimize skin contact. Wash skin after use. Wash contaminated clothing and dry before reuse.
Other: One should always use chemicals with an awareness of the potential hazard of the effect on the human system. To minimize employee exposure to all chemicals, including this product, use good industrial hygiene practices.

SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance: Viscous Liquid
Odor: light citrus scent
Vapor density: N/A
Freezing point: N/A
Solubility in water: soluble
Flammability: N/A
Evaporation rate: N/A
Upper/lower flammability or explosive limits: N/A
Odor threshold: N/A
Flash point: >90F
Evaporation rate: N/A
Upper/lower flammability or explosive limits: not flammable
Vapor pressure: N/A
Auto-ignition temperature: N/A

Color: Off-White
pH: 8.0
Boiling point: N/A
Melting point: N/A
Density: N/A
Particle size: N/A
Viscosity: N/A
Vapor pressure: N/A
Vapor density: N/A
Relative density: N/A
Flammability (solid, gas): N/A
Decomposition temperature: N/A
Vapor density: N/A
Partition coefficient: n-octanol/water: N/A

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under ambient temperature and atmospheric pressure.
Conditions to avoid: Keep away from heat or excessive pressure. Keep away from heat or excessive pressure. Do not contaminate.
Incompatibility with other materials: Heavy metals, combustible organic materials, reducing agents.
Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Sulfur oxides.
Hazardous polymerization: Major components of this mixture show no hazardous polymerization.
Conditions to Avoid: Oxygen, which supports combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicological information has not been established on this mixture. Toxicological information on components within this mixture is given by:

COMPONENT #	TOXICITY
1. Surfactant Blend	not established
2. Sodium Tripolyphosphate	LD_{50} Oral - rat - 3100 mg/mg
	LD_{50} Dermal - rabbit – 7940 mg/kg
3. 2-Butoxyethanol	LD_{50} Oral - mouse - 470 mg/kg, rat 1230mg/kg
	LD_{50} Dermal - rabbit - 220 mg/kg
4. Sodium Metasilicate	LD_{50} Oral - rat – 4,400 mg/kg
5. D-Limonene	LD_{50} Oral - rat – 1,153 mg/kg
	LD_{50} Dermal - rabbit - 5,000 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

Ecological information has not been established for this product. Ecological information on components within this mixture is given by:

COMPONENT #	TOXICITY
1. Surfactant Blend	Not Established
2. Sodium Tripolyphosphate	LC_{50} Freshwater Fish 1650mg/L 50h
3. 2-Butoxyethanol	Not Established
4. Sodium Metasilicate	Not Established
5. D-Limonene	Not Established

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all waste, empty bottles and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

Do not dump into storm drains or any body of water. All disposal methods must be in compliance with all federal, State/ Province and local laws and regulations. Regulations may vary in different locations.

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The vendor has no control over the management practices or the processes by which the party who handles or uses this material. The information presented here pertains only to the product as shipped in its intended condition and recommended usage.

SECTION 14 TRANSPORT INFORMATION

Not a hazardous material as shipped per 49 CFR table 172.101 Consult 49 CFR to assure compliance with all applicable federal, state/provincial and local laws and regulations that may apply to you.

DOT (US)
Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity, ORM-D

SECTION 15 REGULARTORY INFORMATION

US Federal Regulations:
OSHA standards require that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheet (SDS) sheets, training and access to written records. We request that you, as per your legal duty to, make all information in this SDS available to your employees and those who handle or consume the product To aid our customers in complying with regulatory requirements regulatory information for components of this product are indicated below

This *mixture* has *no established regulatory information* all regulatory information given is based on individual components of the mixture by component number

COMPONENT #	**HAZARD**
1. Surfactant Blend	Not Established
2. Sodium Tripolyphosphate	Not Established
3. 2-Butoxyethanol	**OSHA Hazards:** Combustible Liquid, Target Organ Effect, Harmful by ingestion., Harmful by skin absorption., Irritant, Carcinogen **SARA 313 Components:** :2-Butoxyethanol CAS-No.111-76-2 **SARA 311/312 Hazards:** Fire Hazard, Acute Health Hazard, Chronic Health Hazard
4. Sodium Metasilicate	**OSHA Hazards:** Harmful by ingestion. Corrosive **SARA 311/312 Hazards:** Acute Health Hazard **PA & NJ Right to Know:** Disodium Metasilicate, CAS-No. 6834-92-0
5. D-limonene	OSHA: Hazardous by definition of Hazard Communication Standard

SECTION 16	OTHER INFORMATION

While the information is believed to be accurate, CTI makes no representations as to its accuracy or sufficiency. This SDS summarizes to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources of each individual component. Since CTI cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. Users are responsible to verify this data under their own operating conditions to determine whether this product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance on information contained herein. This information relates only to the product-designated herein, and does not relate to its use in combination with any other material or in any other process.