



# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product Identifier:** Ultra-S3 Concentrate  
**Recommended Use:** Treatment of organic and inorganic substances.  
**Restrictions on Use:** No data available.

UltraTech International, Inc.  
11542 Davis Creek Court  
Jacksonville, FL 32256  
(800) 353-1611

**EMERGENCY RESPONSE NUMBER:**  
**CHEMTREC 1-800-424-9300 / +1 703-527-3887**

## 2. HAZARD(S) IDENTIFICATION

**GHS Classification(s):** Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Eye Irritation Category 2A

**GHS Label Elements:**

**GHS Hazard Symbols:**



**Signal Word:** Warning  
**Hazard Statements:** Causes serious eye irritation

**Precautionary Statements:**

**Prevention:** Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF ON SKIN: Wash with plenty of water  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see First Aid on SDS or on the label).  
If skin irritation occurs: Get medical advice or attention. If eye irritation persists: Get medical advice or attention.

**Hazards Not Otherwise Classified:** Remove contaminated clothing and wash before reuse.

**Percentage of Components with Unknown Acute Toxicity:**

**Oral:** 26.21 %  
**Dermal:** 26.21 %  
**Inhalation Vapor:** 26.21%  
**Inhalation Dust/Mist:** 26.21 %

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**GHS US Classification** Skin Irritant 2, H315 Trade Secret 25 – 50 %  
Eye Irritant 2A, H319 Trade Secret 20 – 50 %

**Substances/Mixtures:**

<u>Chemical or Common Name/Synonyms</u>	<u>CAS Number</u>	<u>% by Wt.</u>
Proprietary	Proprietary	< 30 %

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

#### 4. FIRST-AID MEASURES

##### Description of Necessary Measures:

**Eye Contact:** If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Remove contact lenses if present and easy to do so.

Get immediate medical attention.

**Skin Contact:** If on skin: Flush skin with plenty of water while removing contaminated clothing and shoes. Wash with soap and water. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention.

**Inhalation:** If inhaled: Remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation occurs. If not breathing, give artificial respiration. Get Medical attention immediately.

**Ingestion:** If swallowed: If fully conscious, drink a quart of water. DO NOT induce vomiting. CALL A PHYSICIAN IMMEDIATELY. If unconscious or in convulsions, take immediately to a hospital or a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

##### Most Important Symptoms/Effects, Acute and Delayed:

**Eye Contact:** May include mild to moderate irritation. May cause: redness.

**Skin Contact:** May cause mild irritation. Prolonged or repeated exposure may cause: dermatitis (inflammation of the skin).

**Skin Absorption:** No data available.

**Inhalation:** May cause mild irritation. Vapor may irritate: nose. throat. May cause: dizziness. headache.

**Ingestion:** May cause mild irritation. May cause: gastrointestinal irritation. nausea. vomiting. diarrhea.

**Indication of Immediate Medical Attention and Special Treatment Needed:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** For fires in area use appropriate media. For example: Alcohol foam. Carbon dioxide. Dry chemical. Water spray.

##### Specific Hazards Arising from the Chemical:

**Fire and Explosion Hazards:** None known.

**Hazardous Combustion Products:** None known.

**Hazardous Decomposition Products:** Toxic fumes may be released. Corrosive vapors, Nitrogen Oxides, Sodium Oxides

**Special Protective Equipment and Precautions for Fire-Fighters:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, Emergency Procedures:** Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

**Methods and Materials for Containment and Clean Up:** Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

**Environmental Protection:** Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Store in secure manner.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OSHA Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
No components found.	

### ACGIH Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
No components found.	

**Engineering Controls:** General room ventilation is required. To keep exposure below established limits, local exhaust may be necessary. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. Avoid release to the environment.

### Individual Protection Measures:

**Eye/Face Protection:** Wear chemical safety goggles while handling this product. Do not wear contact lenses. If splashing of liquid may occur, then wear a face shield.

**Skin Protection:** Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious. Rubber boots and rubber apron.

**Respiratory Protection:** Respiratory protection may be required to avoid overexposure when handling this product. If mist or spray is present, wear: NIOSH-Approved respirator. NIOSH-Approved respirator for dusts and mists. NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Other Protective Equipment:** Eye-wash station. Safety shower. Chemical safety shoes. Protective clothing. Rubber apron.

**General Hygiene Conditions:** Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Handle in accordance with good industrial hygiene and safety practice. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** Dark brown.

**Odor:** Mild odor.

**Odor Threshold:** N.D.

**pH:** 7 - 9 (as is)

**Freezing Point (deg. F):** N.D.

**Melting Point (deg. F):** N.D.

**Initial Boiling Point or Boiling Range:** N.D.

**Flash Point:** N.D.

**Flash Point Method:** N.A.

**Evaporation Rate (nBuAc = 1):** N.D.

**Flammability (solid, gas):** N.D.  
**Lower Explosion Limit:** N.A.  
**Upper Explosion Limit:** N.A.  
**Vapor Pressure (mm Hg):** N.D.  
**Vapor Density (air=1):** N.D.  
**Specific Gravity or Relative Density:** 1.295 @ 25 Deg. C  
**Solubility in Water:** N.D.  
**Partition Coefficient (n-octanol/water):** N.D.  
**Autoignition Temperature:** No Data  
**Decomposition Temperature:** N.D.  
**Viscosity:** N.D.  
**% Volatile (wt%):** N.D.  
**VOC (wt%):** N.D.  
**VOC (lbs/gal):** N.D.  
**Fire Point:** N.D.

**10. STABILITY AND REACTIVITY**

**Reactivity:** This product is non-reactive under normal conditions of use, storage and transport.  
**Chemical Stability:** Stable under normal conditions.  
**Possibility of Hazardous Reactions:** No hazardous polymerization data.  
**Conditions to Avoid:** Avoid freezing.  
**Incompatible Materials:** Metals such as aluminum, zinc, tin, etc. Strong Oxidizing agents.  
**Hazardous Decomposition Products:** Corrosive vapors, Sodium Oxide, Sodium Nitrate, and Nitrogen Oxides

**11. TOXICOLOGICAL INFORMATION**

**Routes of Exposure:** Eyes. Ingestion. Inhalation. Skin.  
**Symptoms/Effects: Acute, Delayed and Chronic:**  
**Eye Contact:** May cause serious to moderate irritation. May cause: redness.  
**Skin Contact:** May cause mild irritation. Prolonged or repeated exposure may cause: dermatitis (inflammation of the skin).  
**Skin Absorption:** No data available.  
**Inhalation:** May cause mild irritation. May irritate: nose. throat. May cause: dizziness. headache.  
**Ingestion:** May cause mild irritation. May cause: gastrointestinal irritation. nausea. vomiting. diarrhea.

**Numerical Measures of Toxicity:**

<b>Component</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
No components found or no data available for product.			

**Cancer Information:**

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

**Medical Conditions Aggravated by Exposure to Product:** None known.

**Other:** None known.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** No data available.

**Chemical Fate Information:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Hazardous Waste Number:** Do not reuse empty containers.

**Disposal Method:** Dispose of in accordance with all local, state and federal regulations. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Since emptied containers retain product residue, follow label warnings even after container is emptied. Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

**14. TRANSPORT INFORMATION**

**DOT (Department of Transportation):**

**Proper Shipping Name:** Not regulated by the DOT.

**IATA:** Not Regulated as a Dangerous Good.

**IMDG:** Not Regulated as a Dangerous Good.

**15. REGULATORY INFORMATION**

**TSCA Inventory Status:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

This product or all components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

**SARA Title III Section 311/312 Category Hazards:** Please see Section 2 of this SDS.

<b>Regulated Components:</b>	<b>CAS</b>	<b>CERCLA</b>	<b>SARA</b>	<b>SARA</b>	<b>U.S.</b>	<b>WI</b>	<b>Prop</b>
<b>Component</b>	<b>Number</b>	<b>RQ</b>	<b>EHS</b>	<b>313</b>	<b>HAP</b>	<b>HAP</b>	<b>65</b>
No components found.							

**16. OTHER INFORMATION**

**Hazard Rating System**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

\* = Chronic Health Hazard

**NFPA Rating System**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Special Hazard:** None

**SDS Abbreviations**

**N.A. = Not Applicable**

**N.D. = Not Determined**

**HAP = Hazardous Air Pollutant**

**VOC = Volatile Organic Compound**

**C = Ceiling Limit**

**N.E./Not Estab. = Not Established**

**Reason for Revision:** Review of SDS.

## Ultra-S3

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**Revised:** 03/17/2025

**Replaces:** 08/1/2024

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**The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which ULTRATECH INTERNATIONAL, INC. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.**