



# Material Safety Data Sheet

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<b>NFPA</b>	<b>OSHA HCS Risk Phrases</b>	<b>Personal Protective Equipment</b>
	CLASS: Irritating substance.	

**Section 1 Chemical Product and Company Identification**

<b>Common Name/ Trade Name</b>		<b>UV-Chek® AM-595</b>	
<b>Manufacturer</b>	Ferro Corporation, Polymer Additives Division Walton Hills Operation 7050 Krick Road Walton Hills, Ohio 44146-4494 USA	<b>Emergency Phone Numbers</b>	
<b>Chemical Name</b>	Sodium Barium Organophosphate	CHEMTREC:	1-800-424-9300
<b>Chemical Family</b>	Alkaline Earth Salt	24 Hour Information:	1-216-641-5324
<b>Synonym</b>	Not available.	Plant-Week Days Only:	1-216-750-6708
<b>CAS#</b>	Proprietary		

**Section 2 Composition and Information on Ingredients**

INGREDIENTS	CAS #	% Weight	OSHA (PEL) ACGIH (TLV)
1) Disodium Phosphate	7558-79-4	60-70	Not available.
2) Barium, soluble compounds (as Ba)		5-10	TWA: 0.5 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]
3) Trisodium Phosphate	7601-54-9	5-10	Not available.

**Section 3 Hazards Identification**

<b>Emergency Overview</b>	White. Mild odor. Solid. (Powdered solid.)
<b>CAUTION!</b>	MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
<b>Potential Health Effects</b>	
<b>Acute</b>	Dust may cause mechanical irritation. This product may irritate eyes and skin upon contact. May cause respiratory tract irritation. Can cause gastrointestinal irritation.
<b>Chronic</b>	Repeated skin exposure can produce dermatitis.

**Section 4 First Aid Measures**

<b>Eye</b>	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
<b>Skin</b>	Flush contaminated skin with plenty of water. Wash contaminated skin with soap and water. If irritation persists, seek medical attention.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area. Get medical attention if symptoms appear.
<b>Ingestion</b>	Drink two large glasses of water and induce vomiting. Get medical attention if symptoms appear.

**Section 5 Fire and Explosion Data**

<b>Flammability</b>	Non-flammable.	<b>Flash Point</b>	Not applicable.
<b>Auto-ignition Temperature</b>	Not applicable.	<b>Flammable Limits</b>	Not applicable.
<b>Fire Fighting Media and Instructions</b>	Non-flammable substance. Use extinguishing media suitable for surrounding materials. Do not use water jet.		
<b>Combustion Products</b>	Carbon oxides (CO, CO <sub>2</sub> ), some metallic oxides (Ba).		
<b>Fire Hazards</b>	Fine powder forms flammable and explosive mixtures in air.		

<b>Section 6 Accidental Release Measures</b>			
<b>Small Spill</b>	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Wear suitable protective clothing, gloves and eye/face protection. Do not breathe dust.		
<b>Large Spill</b>	Non-flammable. Use a shovel to put the material into a convenient waste disposal container. Wear suitable protective clothing and eye/face protection. Do not breathe dust. Wear appropriate respiratory protection.		
<b>Personal Protection</b>			
<b>Small Spill</b>	Safety glasses. Gloves. Wear appropriate respirator when ventilation is inadequate.		
<b>Large Spill</b>	Splash goggles. Suitable protective clothing. Boots. Gloves. Wear appropriate respirator when ventilation is inadequate.		
<b>Section 7 Handling and Storage</b>			
<b>Precaution</b>	Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Use suitable protective equipment. May react or be incompatible with alkalis.		
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store away from incompatible materials.		
<b>Section 8 Exposure Controls/Personal Protection</b>			
<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.		
<b>Personal Protection</b>	Safety glasses. Gloves. Wear appropriate respirator when ventilation is inadequate.		
<b>Exposure Limits</b>	See Section 2		
<b>Section 9 Physical and Chemical Properties</b>			
<b>Physical state</b>	Solid. (Powdered solid.)	<b>Odor</b>	Mild odor.
<b>pH (1% soln/water)</b>	Not available.	<b>Color</b>	White.
<b>Boiling Point</b>	Not available.	<b>Specific Gravity</b>	2.12 (Water = 1)
<b>Melting Point</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Volatility</b>	1% (w/w).	<b>Viscosity</b>	Not available.
<b>Evaporation rate</b>	Not available.	<b>Solubility</b>	Partially soluble in cold water, hot water.
<b>Section 10 Stability and Reactivity Data</b>			
<b>Instability</b>	The product is stable.	<b>Will material polymerize?</b>	Will not occur.
<b>Incompatibles</b>	Reactive with alkalis.		
<b>Reactivity</b>	Incompatible with strong alkalis.		
<b>Corrosivity</b>	Non-corrosive in presence of glass, of steel.		
<b>Section 11 Toxicological Information</b>			
<b>Routes of Entry</b>	Eye contact. Skin contact. Inhalation.		
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): >2000 mg/kg [Rat]. (barium compound). Acute dermal toxicity (LD50): >2000 mg/kg [Rabbit]. (barium compound).		
<b>Acute Effects</b>	Dust may cause mechanical irritation. This product may irritate eyes and skin upon contact. May cause respiratory tract irritation. Can cause gastrointestinal irritation.		
<b>Chronic Effects</b>	Repeated skin exposure can produce dermatitis.		
<b>Section 12 Ecological Information</b>			
<b>Ecotoxicity</b>	Not available.		
<b>BOD5 and COD</b>	Not available.		

**Biodegradation** Not available.

**Section 13 Disposal Considerations**

**Waste Disposal** Waste must be disposed of in accordance with federal, state and local environmental control regulations. This product is considered a RCRA hazardous waste if disposed as recieved. Barium - D005.

**Section 14 Transport Information**

**DOT Description - Bulk** Not regulated by DOT.

**DOT Description - Non-Bulk** Applies to shipments containing a Reportable Quantity (RQ).

**Reportable Quantity** CERCLA: Hazardous substances.: Disodium Phosphate: 5000 lbs. (2268 kg); Trisodium Phosphate: 5000 lbs. (2268 kg);

**WHMIS** CLASS D-2B: Material causing other toxic effects.

**WHMIS(Canada) Pictogram** 

**Section 15 Other Regulatory Information**

**USA Regulatory Lists** Connecticut hazardous material survey.: Disodium Phosphate; Trisodium Phosphate  
Illinois chemical safety act: Disodium Phosphate  
New York release reporting list: Disodium Phosphate  
Pennsylvania RTK: Disodium Phosphate; Trisodium Phosphate  
Massachusetts RTK: Disodium Phosphate; Trisodium Phosphate  
Massachusetts spill list: Disodium Phosphate  
New Jersey: Disodium Phosphate; Trisodium Phosphate  
Louisiana spill reporting: Disodium Phosphate  
SARA 313 toxic chemical notification and release reporting: Barium, soluble compounds (as Ba) 7.5%  
CERCLA: Hazardous substances.: Disodium Phosphate: 5000 lbs. (2268 kg); Trisodium Phosphate: 5000 lbs. (2268 kg);  
New Jersey TSRN Number: Not available.

**SARA 313** SARA 313 toxic chemical notification and release reporting: Barium, soluble compounds (as Ba) 7.5%  
Total Barium compounds: 20 - 30%

**HMIS (U.S.A.)**

Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	B
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**TSCA 8(b) inventory** TSCA (Toxic Substance Control Act): This product or its components are listed on the TSCA Inventory.  
**CEPA** Canadian environmental protection act (CEPA): This product or its components appear on the Domestic Substances List (DSL)  
**EINECS Status** EINECS: This product or its components appear on the European Inventory of Existing Commercial Chemical Substances.

**Section 16 Other Information**

**References** Not available.

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M\_U WH UV-Chek ©

**Notice to Reader**

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

**Instructions to the customer/purchaser.**

This MSDS contains important environmental, safety and health information for your employees who will be using this product. Please give this information to them. If you resell this product, give a copy of this MSDS to the buyer.