


Section 1 Chemical Product and Company Identification			
Product Name Micro-Chek® 11D			
Manufacturer Ferro Corporation, Polymer Additives Division Walton Hills Operations 7050 Krick Road Walton Hills, Ohio 44146-4494 USA		Emergency Telephone Numbers	
Chemical Name 2-N-Octyl-4-isothiazolin-3-one		CHEMTREC : 1-800-424-9300	
Chemical Family Heterocyclic Mildewcides		24 Hour Information : 1-216-641-5324	
Synonym Not available.		Plant-Week Days Only : 1-216-750-6708	
CAS# Mixture		Issued on 5/21/2002.	
Section 2 Composition and Information on Ingredients			
INGREDIENTS	CAS #	% Weight	OSHA (PEL) ACGIH (TLV)
1) 2-Octyl-4-isothiazolin-3-one	26530-20-1	1-5	Not applicable.
2) Propylene Glycol	57-55-6	1-5	Not applicable.
The specific chemical identities are being withheld as a trade secret (29CFR1910.1200).			
Section 3 Hazards Identification			
Emergency Overview		Color : Yellow.	NFPA 
DANGER!		Physical state : Liquid. (Clear)	
		Odor : Bland.	
CAUSES SEVERE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION.			
Potential Health Effects			
Acute	Causes severe eye and skin irritation. May cause respiratory tract irritation.		
Chronic	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.		
Section 4 First Aid Measures			
Eye	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention if irritation persists.		
Skin	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.		
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.		
Ingestion	If ingested do not induce vomiting. Drink two large glasses of water. Seek immediate medical attention.		
Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.			

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Section 5 Fire and Explosion Data			
Flash Point	CLOSED CUP: 99°C (210.2°F). (Pensky-Martens.)		
Flammable Limits	Not available.		
Auto-Ignition Temperature	Not available.		
Fire Fighting Media and Instructions	Use DRY chemicals, CO2, water spray or foam. Wear self-contained breathing apparatus.		
Combustion Products	Sulfur oxides (SO2, SO3...), nitrogen oxides (NO, NO2...).		
Fire Hazards	Not available.		
Section 6 Accidental Release Measures			
Small Spill	Wear suitable protective clothing, gloves and eye/face protection. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Do not breathe vapor or mist.		
Large Spill	Absorb with DRY earth, sand or other non-combustible material. Dike spill area and do not allow product to reach sewage system and surface or ground water. Wear suitable protective clothing, gloves and eye/face protection. Do not touch spilled material.		
Personal Protection			
Small Spill	Splash goggles. Gloves, Butyl rubber. Boots.		
Large Spill	Splash goggles. Suitable protective clothing. Gloves, Butyl rubber. Boots. Wear appropriate respirator when ventilation is inadequate.		
Section 7 Handling and Storage			
Precaution	Wear suitable gloves and eye/face protection. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mists.		
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store away from incompatible materials. Empty containers retain product residue and can be hazardous.		
Section 8 Exposure Controls/Personal Protection			
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.		
Personal Protection	Splash goggles. Gloves, Butyl rubber. Boots.		
Exposure Limits	See Section 2. Composition and Information on Ingredients		
Section 9 Physical and Chemical Properties			
Physical state	Liquid. (Clear)	Odor	Bland.
pH (1% soln/water)	Not available.	Color	Yellow.
Boiling Point	Not available.	Specific Gravity	0.971 (Water = 1)
Melting Point	Not available.	Vapor Pressure	Not available.
Volatility	Not available.	Solubility	Soluble in water.

Section 10 Stability and Reactivity Data

Instability	The product is stable.	Hazardous Polymerization	Will not occur.
Incompatibles	Reactive with oxidizing agents, reducing agents.		
Corrosivity	Not considered to be corrosive for glass and metals according to our data base.		

Section 11 Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation.
Toxicity to Animals	Acute oral toxicity (LD50): 13518 mg/kg (Rat) (Calculated value for the mixture). Acute dermal toxicity (LD50): 16900 mg/kg (Rabbit) (Calculated value for the mixture).
Acute Effects	Causes severe eye and skin irritation. May cause respiratory tract irritation.
Chronic Effects	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.

Section 12 Ecological Information

Ecotoxicity	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 not considered a RCRA hazardous waste if disposed as recieved.
Waste Classification	No additional information.

Section 14 Transport Information

DOT Classification	Not a DOT controlled material (United States).
Reportable Quantity	CERCLA: Hazardous substances:: No products were found.
Marine Pollutant	Not available.
Special Provisions for Transport	Not regulated by DOT.
Canada TDG Classification	Not controlled under TDG (Canada).
WHMIS	CLASS D-1B: Material causing immediate and serious toxic effects.

Section 15 Other Regulatory Information

State Regulations	<u>Rhode Island RTK hazardous substances:</u> Propylene Glycol <u>Pennsylvania RTK:</u> Propylene Glycol <u>Minnesota:</u> Propylene Glycol California Prop. 65:: No products were found. New Jersey TSRN Number: Not available.			
Reportable Quantity	CERCLA: Hazardous substances:: No products were found.			
SARA 313	<u>SARA 313 toxic chemical notification and release reporting:</u> No products were found.			
HMIS (U.S.A.)	Health Hazard 2	Fire Hazard 0	Reactivity 0	Personal Protection D
TSCA, CEPA DSL/ NDSL, EINECS Status	All the ingredients are on the TSCA list. All the ingredients are on the DSL list. All the ingredients are on the EINECS list.			

Section 16 Other Information

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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.