



AN IKONICS COMPANY

**Chroma/Haze**  
Material Safety Data Sheet  
Issued: 4/20/04  
Supercedes: 3/4/04

**Section I - Chemical Product and Company Identification**

Manufacturers name IKONICS Corporation  
Address 4832 Grand Avenue, Duluth, MN 55807  
Telephone number 218 628-2217 Customer Service  
Emergency phone number 800 424-9300 Chemtrec USA / 703/527-3887 International (collect)  
Product name Chroma/Haze  
Use Strongly alkaline paste cleanser

**Section II – Hazardous Ingredients**

<u>Ingredients</u>	<u>Percent</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>VAPOR PSI</u>
Potassium Hydroxide	19%	1310-58-3	Not established	--- ppm 2 mg/M <sup>3</sup>	1.0 at 719°C
Methanol	15%	67-56-1	Not established	200 ppm 260 mg/M <sup>3</sup>	100 mm at 21.2°C
Phosphate ester/ phosphoric acid ester	5.1%	Trade Secret	Not established	Not established	Not established

**Section III – Physical Data**

Appearance Off-white paste  
Boiling point 190°F- 212°F (volatiles will be generated)  
Weight (per gallon) 11.68 lb./gal.  
Percent volatile (by wt) 53%  
Solubility in water 100% dispersible  
Evaporation rate Faster than water  
Vapor density Heavier than air  
VOC 210 g/l  
pH (concentrate) 13-14

**Section IV – Fire and Explosion Data**

Flash point Not Applicable  
Extinguishing media Water Spray, CO<sub>2</sub>  
Unusual fire & explosion hazards Caustic paste; therefore, take extreme caution. Steam can generate and rupture container, spreading caustic contents.  
Special fire fighting procedures Contents, if leakage occurs, may cause extremely slippery conditions when wetted with water spray.

**Section V – Health Hazard Data**

HMIS Codes 2-1-0-H & O Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4  
*Effects of overexposure*  
Potassium hydroxide is classified as a poison by the Federal Caustic Poison Act.  
Eye contact Corrosive! Severe burns and blindness may result.  
Skin contact Corrosive! Severe burns/scarring may result.  
Inhalation Severe irritant, mild to severe damage may result.  
Ingestion Toxic, severe burns of mouth, throat and stomach can occur and death could result. Lethal dose is 20 gm.

*First aid emergency procedures*

Eye Wash eyes for at least 15minutes, lifting eyelids occasionally. Get medical attention.  
Skin Flush immediately with water for 15 minutes while removing contaminated clothing.  
Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.  
Ingestion Give several glasses of water or milk to dilute. Vomiting may occur, but do not induce.  
Threshold Limit Value 2mg/m<sup>3</sup>

**Section VI – Reactivity Data**

Stability	Unstable___ Stable <u>X</u>
Conditions to avoid	Do not mix directly to acids or organic halogen compounds. Extremes of temperature.
Incompatibility (materials to avoid)	Aluminum, tin & zinc
Hazardous decomposition products	None
Hazardous polymerization	May occur ___ Will not occur <u>X</u>

**Section VII – Spill or Leak Procedures**

Spill cleanup instructions	Clean-up personnel require protective clothing. Dilute with plenty of water and may be neutralized with diluted acetic acid. Caution: Floor and other surfaces may be slippery.
Waste disposal method	Waste may be sent in sealed caustic-resistant containers as hazardous waste to a RCRA approved facility. Neutralized waste may be disposed of in compliance with federal, state, and local laws.

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state, or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

**Section VIII – Control Measures / Personal Protection**

Engineering controls	Ventilation – Local exhaust recommended but not required.
<i>Personal Protection Equipment (PPE)</i>	
Gloves	Rubber or neoprene gloves are required.
Eye	Full face shield is required.
Respiratory	Wear O.S.H.A. (29CFR 1910.134) protection as necessary. Do not breathe vapors or mists.
Where contact may occur	Use a face shield, impervious body coverings, and boots (if exposure is severe). Apron and smock must be chemically resistant to caustic solutions.
Safety shower and eyewash	Should be available.

**Section IX – Handling and Storage**

Handling and storage information	Keep container sealed tightly when not directly using. Store in a cool, dry area. Isolate from aluminum, tin, or zinc materials.
Other precautions	Industrial use only. Keep out of reach of children. Do not take internally. Avoid splashing in eyes.

**Section X – Regulation Information**

DOT classification	Corrosive solid, basic, inorganic, n.o.s. (potassium hydroxide), Class 8, UN3262, PGII.
TSCA	All ingredients are listed chemicals in the TSCA registry.

Approved by: VP Technology, Toshi Komatsu 218 628-2217 ext.142

Notice to reader

(Approved by U.S. Department of Labor “Essentially Similar” to form OSHA-20)

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