



AN IKONICS COMPANY

**Chroma/Brade**  
Material Safety Data Sheet  
Issued: 2/18/04  
Supercedes: 7/19/01

**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/Brade  
Use Mesh abradar / degreaser gel. Aqueous dispersion of aluminum oxide and nonionic and anionic surfactants.

**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>
There are no hazardous ingredients by reference to the O.S.H.A. Hazardous Communications Standard (29 CFR 1910.1200)	Not Applicable	-----	-----	-----	-----

**Section III – Physical Data**

Appearance Lemon scented, brown to gray viscous liquid.  
Boiling point 100°C (212°F)  
Weight (per gallon) 9.30 lb/gal.  
Percent volatile (by wt) 82%  
Solubility in water 100% Miscible  
Evaporation rate Not Established  
Vapor density Not Established  
VOC Not Applicable

**Section IV – Fire and Explosion Data**

Flash point Not Applicable  
Extinguishing media CO<sub>2</sub> , Water  
Unusual fire & explosion hazards Containers may build up pressure due to steam generation if exposed to intense heat.  
Special fire fighting procedures Direct water spray may cause excessive foaming.

**Section V – Health Hazard Data**

HMIS Codes 1-0-0-C Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4

*Effects of overexposure*

Eye contact No specific information available. May cause irritation.  
Skin contact No specific information available. May cause irritation.  
Inhalation No specific information available.  
Ingestion No specific information available.

*First aid emergency procedures*

Eye Flush with plenty of water for at least 15 minutes and seek medical attention.  
Skin Wash with soap and water, should irritation occur, seek medical attention.  
Inhalation Remove to fresh air.  
Ingestion Drink 2 glasses of water. Do not induce vomiting. If appreciable quantities are swallowed, seek medical attention.

**Section VI – Reactivity Data**

Stability	Unstable___ Stable <u>X</u>
Conditions to avoid	None
Incompatibility (materials to avoid)	None
Hazardous decomposition products	Carbon Monoxide & Carbon dioxide
Hazardous polymerization	May occur __ Will not occur <u>X</u>

**Section VII – Spill or Leak Procedures**

Spill cleanup instructions	Contain spills with absorbent material and dispose of saturated material in waste container.
Waste disposal method	Flush to sewer with water or dispose bulk in accordance with federal, state, and local laws. Use proper PPE when cleaning up a spill.

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 gloves are recommended.
Eye	Goggles are recommended.
Respiratory	Not required.
Where contact may occur	Apron is recommended. Use the proper PPE.
Safety shower and eyewash	Should be available.

**Section IX – Handling and Storage**

Handling and storage information	None
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	Not a DOT controlled material (United States).
TSCA	All ingredients are listed chemicals in the TSCA registry.
California (Prop 65)	This product contains chemical(s) known to the State of California to cause cancer (c) or reproductive (r) damage. <0.00002% Acetaldehyde (c) 75-07-0 Listed April 1, 1988 <0.00002% Ethylene oxide (c) 75-21-8 Listed July 1, 1987 <0.00001% 1,4 Dioxane (c) 123-91-1 Listed January 1, 1988

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)

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under direct supervision, no representation is made that the information is accurate, reliable, complete, or representative and Buyer may rely thereon only at the Buyer’s risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and / or situations involving its handling and uses. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.