



AN IKONICS COMPANY

Razor 12X & 8X
Material Safety Data Sheet
Issued: 3/11/05
Supercedes: New Document

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 Razor 12X and 8X
Use Water based emulsion

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> |
|--------------------|----------------|--------------|-----------------|------------------|------------------|
| Acrylate Monomers | Trade secret | Trade secret | Not established | Not established | Not established |
| Photoinitiators | Trade secret | Trade secret | Not established | Not established | Not established |

Section III – Physical Data

Appearance Blue liquid
Boiling point 100° C (212° F)
Weight (per gallon) 8.71 lb/gal.
Percent volatile (by wt) 61-71%
Solubility in water Miscible
Evaporation rate Not Established
Vapor density Not Established
VOC Not Applicable

Section IV – Fire and Explosion Data

Flash point Greater than 200° F
Extinguishing media Class B fire extinguisher
Unusual fire & explosion hazards Under high heat, decomposition may present a hazard.
Special fire fighting procedures For full protection, fire fighters are recommended to wear NIOSH-MSHA approved self-contained breathing apparatus and chemical resistant clothing.

Section V – Health Hazard Data

HMIS Codes 2-0-0-H&O Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4
Effects of overexposure
Eye contact Slight eye irritant. May cause eye injury.
Skin contact May cause severe skin injury or allergic reaction. May cause blister formation (burns).
Inhalation No specific information available. Low volatility makes vapor inhalation unlikely.
Ingestion No specific information available.
First aid emergency procedures
Eye Flush with plenty of water for 20-30 minutes and seek medical attention.
Skin Wash with soap and water, should irritation occur, seek medical attention.
Inhalation Remove to fresh air.
Ingestion If appreciable quantities are swallowed, seek medical attention

Section VI – Reactivity Data

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| Stability | Unstable___ Stable <u>X</u> |
| Conditions to avoid | Strong light and high heat. |
| 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

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| Spill cleanup instructions | Contain spills with absorbent material and dispose of saturated material. |
| Waste disposal method | Place leaking container in a well ventilated area. Dilute the spill with water and absorb the spill with inert material and dispose 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

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| Engineering controls | Ventilation – Local exhaust recommended but not required. Provide adequate ventilation as necessary. |
| <i>Personal Protection Equipment (PPE)</i> | |
| Gloves | Rubber or neoprene gloves are required. |
| Eye | Personal eye protection 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). |
| Safety shower and eyewash | Should be available. |

Section IX – Handling and Storage

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| Handling and storage information | Store away from extreme heat and do not freeze. |
| Other precautions | Industrial use only. Keep out of reach of children. Do not take internally. Avoid splashing in eyes. |

Section X – Regulation Information

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| 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. <0.0001% Toluene (r) 108-88-3 Listed January 1, 1991 |

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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