

MSDS Material Safety Data Sheet

NIC Industries, Inc



H-243 Part A

MSDS Number:

Revision Date: 06/24/09

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Product Name: H-243 Part A
Revision Date: 06/24/09
Version: 1
Common Name: Poly-ceramic liquid
Product Code: H-243

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes, Ingestion, Inhalation, Skin
Target Organs: Central Nervous System, Kidneys, Liver
Inhalation: May produce symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance, and drowsiness
Skin Contact: May be irritating
Eye Contact: May be irritating
Ingestion: Ingestion may cause damage to the lining of the gastrointestinal tract

HMIS II-ratings (scale 0-4): Health = 3, Fire = 2, Reactivity = 1
HMIS® Rating H3/F2/PH1

Cadmium is toxic to kidneys, lungs and liver. Repeated or prolonged exposure to the substance can produce target organs damage.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name
98566	50-70%	Benzene, 1-chloro-4-(trifluoromethyl)-
7440439	1-5%	Cadmium Compounds
Proprietary Formulation		



4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops, have trained person administer artificial respiration and seek medical attention immediately.

Skin Contact: Wash thoroughly with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash all clothing before re-use. If irritation persists, seek medical attention.

Eye Contact: Immediately flush with water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

5 FIRE FIGHTING MEASURES

Flash Point: 172 degF
Flash Point Method: Not available
Burning Rate: Not available
Autoignition Temperature: Not available
LEL: Not available
UEL: Not available
Flammability Classification: Not Flammable

Extinguishing Media:
Carbon dioxide, dry chemical powder, or appropriate foam.

Fire Fighting Procedures:

Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service, and eliminate sources of ignition. Use water spray to cool containers and avoid pressure build-up. Wear self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazard:

Combustible Liquid. Over-heated containers may rupture.

Sensitivity of Static Charge:

Electrostatic charge may build up during handling. Grounding of equipment is recommended.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Evacuate all unnecessary personnel and eliminate all sources of ignition.

Environmental Precautions:

Contain liquids and prevent discharge into streams and sewers, control or stop the loss of volatile material to the atmosphere. Do not apply water to the spill. Spills should be reported, if required, to the appropriate local, state, or federal agencies.

Small Spills:

Cover with an inorganic absorbent, such as vermiculite, perlite, ground clay, or sand; sweep up, and dispose of appropriately. Clean contaminated area with soap and water.

Large Spills:

Dike to contain and pump into drums for disposal. Add vermiculite absorbent to remaining material (as above).



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7 HANDLING AND STORAGE

Handling Precautions: Keep away from heat, sparks, pilot lights, welding operations, and open flames. Do not eat, drink, or smoke in areas where this material is used. Do not get in eyes, clothing, or on skin. Keep away from heat, sparks, pilot lights, welding operations, and open flames. Do not eat, drink, or smoke in areas where this material is used. This material is not rated as flammable; however, caution is recommended. Ground all equipment. Vapors are heavier than air and will tend to collect in low areas. Avoid use in confined spaces. Areas of poor ventilation could contain concentrations high enough to cause unconsciousness and death. Use approved air respirator following manufacturer's recommendations where vapors may be generated.

Storage Requirements: Keep container properly closed and properly labeled. Store in a cool dry place designated for combustible liquid storage. Keep away from heat, sparks, and open flame. Vent periodically, if needed, to release head pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

Protective Equipment: HMIS PP, C | Goggles, Gloves, Apron

Exposure Guidelines/Other: Appropriate Hygienic Practices: Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, fumes, and mists. Avoid prolonged or repeated exposure. Wash thoroughly after handling, and before eating, drinking or smoking. Respiratory: Do not breath dust. If mists or aerosols are generated during handling wear a respirator equipped with an organic vapor cartridge. Other: Emergency shower and eyewash facility should be in close proximity. 7440739 TWA: 0.01 (ppm)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Color varies with product number	Boiling Point:	Not available
Physical State:	Liquid	Freezing/Melting Pt.:	Not available
Odor:	Naphthalenic	Solubility:	Negligible
pH:	Not determined	Spec Grav./Density:	Varies with color: 1.3 - 1.4 g/mL
Vapor Pressure:	Not determined		
Vapor Density:	Not determined		



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10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	High temperatures
Materials to avoid (incompatibility):	Oxidizers, Strong Lewis acids or mineral acids, alkalis, and aliphatic amines
Hazardous Decomposition products:	Chlorine-containing gases, fluorine-containing gases, carbon dioxide, and silicon oxides may be produced
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Carcinogenic effects on humans; Classified A2 by ACGIH, 2 by NTP

12 ECOLOGICAL INFORMATION

Avoid release to surface waters and waste treatment systems. With the characteristics of its physical and chemical properties, it is unlikely that the matrix polymer represents a significant threat to aquatic or terrestrial environments.

13 DISPOSAL CONSIDERATIONS

Do not mix this product with aqueous or other protic waste streams. Incinerations of combustible waste material in a permitted facility in accordance with the local, state, and federal regulations is the recommended disposal method.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #
US DOT: Not Regulated for Transport
IATA: Not Regulated for Transport
ICAO: Not Regulated for Transport



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REGULATORY INFORMATION

The following component comprises less than 1 ppm of the total formula

COMPONENT / (CAS/PERC) / CODES

*Cadmium (7440439 1-5%) CERCLA, EPCRAWPC, HWCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TXAIR

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PROP65 = CA Prop 65
TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance
EPCRAWPC = EPCRA Water Priority Chemicals
HWCRA = RCRA Hazardous Wastes
NJHS = NJ Right-to-Know Hazardous Substances
NRC = Nationally Recognized Carcinogens
PRIPOL = Clean Water Act Priority Pollutants
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants

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OTHER INFORMATION

U.S. Federal Regulations:

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to all your employees.

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END OF MSDS DOCUMENT