



MC series (Generic)

MSDS Number: MCSeriesGeneric11062012

Revision Date: 11/6/12

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

NIC Industries, Inc
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Product Name: MC series (Generic)
Revision Date: 11/6/12
Version: 5.0
MSDS Number: MCSeriesGeneric11062012
Product Code: MC series
Product Use: Clear Air Cured Polymer Based Liquid Ceramic Industrial Coating

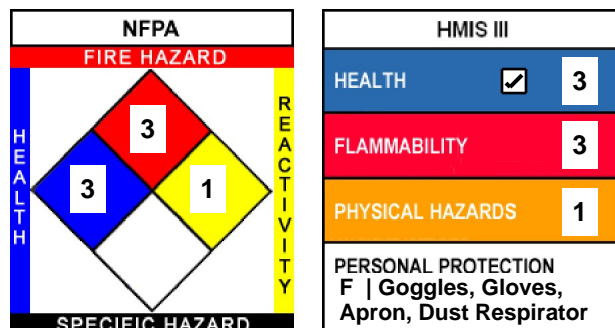
2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, Ingestion, Skin Absorption, Eye Contact
Target Organs: Respiratory System, Reproductive System and Pulmonary System.
Inhalation: Toxic by inhalation. Causes irritation to the respiratory system, coughing and shortness of breath. May cause CNS stimulation and depression (fatigue, dizziness, coma, and death).
Skin: Causes severe skin burns. Corrosive to skin (Category 1A). May also cause dermatitis.
Eye: Causes serious, possibly permanent eye damage. May aggravate existing conditions.
Ingestion: Toxic by ingestion (Category 4 Oral). High doses may cause CNS depression.

VOC: 2.96 lb/gal (VOC present as 1-chloro-4-(trifluoromethyl)-benzene). 1-chloro-4-(trifluoromethyl)-benzene is listed as a VOC-exempt solvent.

May be toxic to developing embryos.

NFPA: Health = 3, Fire = 3, Reactivity = 1
HMIS III: H*3/F3/PH1





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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
	70%	Proprietary Formulation
98-56-6	30%	Benzene, 1-chloro-4-(trifluoromethyl)-

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. Loosen tight clothing. Keep respiratory tract clear. Seek immediate medical attention.
- Skin Contact:** Remove contaminated clothing and shoes. Wash thoroughly with soap and water for at least 15 minutes. Wash clothing before reuse. If symptoms develop, seek medical attention.
- Eye Contact:** Remove contact lenses. Immediately flush with water for at least 15 minutes, occasionally lifting eyelids to ensure thorough rinsing. Seek immediate medical attention.
- Ingestion:** Rinse mouth out and then drink plenty of water. Only induce vomiting at the instruction of medical personnel. Never induce vomiting or give anything by mouth to an unconscious or convulsing person. Keep victim at rest. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES

- Flash Point:** N/A
LEL: Not Available
UEL: Not Available

Extinguishing Media:
Carbon dioxide, dry chemical powder, alcohol foam or water spray.

Combustible liquid. Over-heated containers may rupture. Liquid can pose a fire hazard in the presence of an ignition source or sparking device. Use proper personal protective equipment. If fire occurs, isolate area, contain and eliminate fire, then dispose of debris in accordance with official regulations. Cool all affected containers with water (do not allow water to mix with product). Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to source.

6 ACCIDENTAL RELEASE MEASURES

Keep all unnecessary personnel away, and isolate hazard area. Wear proper personal protective equipment. Do not touch or walk through spilled material. Approach spilled material from upwind. Ensure adequate ventilation and use proper personal protective equipment. Eliminate all sources of ignition. Contain liquids and prevent discharge into water sources, drains or sewers. Control or stop the loss of volatile material to the atmosphere.

Do not apply water to the spill. Dike to contain and pump into drums for disposal. Cover with an inorganic absorbent (such as vermiculite, perlite, ground clay, or sand), sweep up and dispose of appropriately. Clean contaminated area thoroughly. Transfer to a container for disposal according to local/state/national regulations. Inform relevant authorities.

7 HANDLING AND STORAGE

- Handling Precautions:** Use with adequate ventilation.
Vapors are heavier than air and will tend to collect in low areas - avoid use in confined spaces.



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Areas of poor ventilation could contain concentrations high enough to cause unconsciousness and death.

Avoid breathing vapor fumes.

Avoid bodily contact with material.

Avoid prolonged or repeat exposure.

Wear appropriate personal protective equipment.

Wash thoroughly after handling, avoid contact with eyes.

No eating, drinking or smoking near areas where substance is handled, processed or stored.

Ground coating equipment at all times.

Storage Requirements: Store in cool, dry place to prevent caking.

Keep away from all sources of ignition.

Avoid shock and friction.

Avoid moisture and static electricity discharges.

Do not allow cross-contamination.

Keep tightly closed when not being used.

Label all containers appropriately.

Do not reuse containers.

Do not store near food or drinks.

Avoid excessive aging.

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. Use of fume hoods or closed booths recommended when product is used in a manner that may generate mist or aerosol. Assure ACGIH TWA and OSHA PEL limits (varies by product) are maintained.

Personal Protective Equip: HMIS PP, F | Goggles, Chemical Resistant Gloves, Apron (protective industrial clothing recommended along with apron), Dust Respirator.

Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Use NIOSH approved respirator (particle mask) for dusts.

Employ proper hygienic measures after working with material and before eating, smoking or using the lavatory. Fully wash any contaminated clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear

Physical State: Liquid (after air cure solid) **Odor:** Slight ammonia, camphor like odor.

10 STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Sources of ignition and oxidizing conditions (individual products may have further conditions to avoid).

Materials to Avoid: Strong bases, strong oxidizing agents, strong acids, nitrates and alkaline materials (individual products may have further conditions to avoid).

Hazardous Decomposition: May contain carbon monoxide, carbon dioxide, unburned hydrocarbons, silicon dioxide, isobutylene, acetic acid, hydrogen fluoride and hydrogen chloride gas (individual products may have further decomposition products).

Hazardous Polymerization: Will not occur.



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11 TOXICOLOGICAL INFORMATION

NTP Carcinogen: No IARC Monographs: No OSHA Regulated: No

Not known to contain any ingredients recognized as carcinogens by the National Toxicology Program (NTP), the International Agency for Cancer Research (IARC) or the Occupational Safety and Health Administration (OSHA).

Reported Human Effects:

No human studies have been conducted with this material. The use of recommended protective equipment should prevent any adverse effects. Products are extremely corrosive. Contains a chemical that may cause CNS depression symptoms.

Reported Animal Effects (from components of liquid ceramic):

Oral LD50, rat: >300-2000 mg/kg

Skin irritation, rabbit; corrosive, severe erythema with signs of necrosis after 1-hour exposure.

12 ECOLOGICAL INFORMATION

Water hazard class 2 (self-assessment): Does not mix well with water. Avoid disposal in landfills and sewage systems. Avoid release to surface waters and waste treatment systems. This material contains chemicals very hazardous to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

This product is not regulated by the EPA. It is the waste generator's responsibility to determine if a particular waste is hazardous and proper disposal procedures. Disposal should be made in accordance to federal, state, and local regulations. Dispose of in a licensed facility. Do not discharge into drains, surface waters or groundwater. Material is corrosive and flammable.

14 TRANSPORT INFORMATION

US DOT:

Proper Shipping Name: Chlorobenzotrifluorides

Hazard Class: 3

UN Number: 2234

Packing Group: III

IATA:

Proper Shipping Name: Chlorobenzotrifluorides

Hazard Class: 3

UN Number: 2234

Packing Group: III

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15 REGULATORY INFORMATION

HCS Classification: Not Regulated

U.S. Federal Regulations: TSCA All components are listed or exempted



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SARA 302/304/311/312/313: Individual products may contain chemicals that fall under the reportable guidelines.

California Proposition 65:

Individual products may contain chemicals known to the state of California to cause cancer and birth defects, or other reproductive harm.

Canadian DSL Inventory Status: All MC series products contain chemicals not listed on the Canadian DSL Inventory List (listed on the NDSL).

*Benzene, 1-chloro-4-(trifluoromethyl)- (98566 30%) TSCA

*Proprietary Formulation (70%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16	OTHER INFORMATION
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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 (as it is your legal duty to) make all information in this Material Safety Data Sheet available to all your employees.

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