

MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 1 of 7

1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

NIC Industries, Inc
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White City, OR 97503

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Web: www.nicindustries.com

Product Name: MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear
Revision Date: 7/11/2014
Version: 2.0
Product Code: MC-160

Emergency Contact: Call PERS: 1-800-633-8253 (USA) or 011-1-801-629-0667 (International)

2	HAZARDS IDENTIFICATION
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Route of Entry: Inhalation, Ingestion, Skin Absorption, Eye Contact

Target Organs: Respiratory System, Integumentary System, Digestive System and Nervous System.

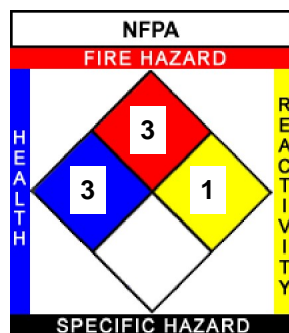
Inhalation: Harmful if inhaled. Causes moderate irritation of the upper respiratory tract. May produce symptoms of CNS depression (headaches, dizziness, nausea, loss of balance, drowsiness) and CNS stimulation (shaking, tremors). Severe overexposure may cause more severe CNS depression and/or stimulation symptoms such as fatigue or loss of concentration.

Skin Contact: Causes severe skin irritation. May cause dermatitis.

Eye Contact: Corrosive. Causes severe irritation. May cause pain and eye damage.

Ingestion: Harmful by ingestion. May be irritating to the gastrointestinal tract, cause gastric distress and stomach pains. May produce CNS depression symptoms similar to those produced by inhalation.

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



HMIS III	
HEALTH	☑ 3
FLAMMABILITY	3
PHYSICAL HAZARDS	1
PERSONAL PROTECTION F Safety Glasses, Gloves, Apron, Dust Respirator	

MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 2 of 7

GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Liquids, 3
Physical, Flammable Liquids, 4
Health, Acute toxicity, 4 Oral
Health, Aspiration hazard, 2
Health, Skin corrosion/irritation, 2
Health, Respiratory or skin sensitization, 1 Skin
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 4 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Specific target organ toxicity - Single exposure, 1
Health, Specific target organ toxicity - Repeated exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 2

GHS Phrases:

H226 - Flammable liquid and vapour
H227 - Combustible liquid
H302 - Harmful if swallowed
H305 - May be harmful if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H370 - Causes damage to organs
H373 - May cause damage to organs through prolonged or repeated exposure
H401 - Toxic to aquatic life

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other ignition source.
P232 - Protect from moisture.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/light/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.
P284 - Wear respiratory protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 - IF ON SKIN: Seek medical attention.

MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 3 of 7

- P302+352 - IF ON SKIN: Wash with soap and water.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 - IF INHALED: Seek immediate medical attention.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 - IF IN EYES: Seek immediate medical attention.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P306+360 - IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- P307+311 - IF exposed: Call a POISON CENTER or doctor/physician.
- P313 - Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P370+376 - In case of fire: Stop leak if safe to do so.
- P370+378 - In case of fire: Use CO2, dry chemical powder, foam or alcohol foam for extinction.
- P370+380 - In case of fire: Evacuate area.
- P374 - Fight fire with normal precautions from a reasonable distance.
- P381 - Eliminate all ignition sources if safe to do so.
- P402+404 - Store in a dry place. Store in a closed container.
- P403+233 - Store in a well ventilated place. Keep container tightly closed.
- P403+235 - Store in a well ventilated place. Keep cool.
- P410+403 - Protect from sunlight. Store in a well ventilated place.
- P411 - Store at temperatures not exceeding 25 °C/77 °F.
- P420 - Store away from other materials.
- P501 - Dispose of contents/container to licensed waste facility.

NOTE: tert Butyl acetate is listed as a VOC Exempt solvent.

May cause changes to the liver and kidneys. Can cause pulmonary edema if aspirated into lungs.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Cas #	Percentage	Chemical Name
540-88-5	70-80%	tert-Butyl acetate
	20-30%	Proprietary Formulation

4	FIRST AID MEASURES
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- Inhalation:** Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops, have trained person administer artificial respiration. Maintain an open airway. Loosen tight clothing. Seek immediate medical attention.
- Skin Contact:** Remove all contaminated clothing and shoes. Wash thoroughly with soap and water for at least 15 minutes - if sticky use waterless cleaner first. Wash all clothing before re-use. Seek medical attention.
- Eye Contact:** Remove contact lenses. Immediately flush with water for at least 15 minutes, forcibly holding eyelids apart. Seek immediate medical attention.
- Ingestion:** Rinse mouth out and then drink plenty of water. Only induce vomiting at the instruction of medical personnel. Vomiting may be dangerous. Keep head low so vomit does not enter the lungs. Never induce vomiting or give anything by mouth to an unconscious or convulsing person. Keep patient at rest. Seek immediate medical attention.

5	FIRE FIGHTING MEASURES
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Flammability: Class B: Flammable Liquid

Extinguishing Media:

MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 4 of 7

Carbon dioxide, dry chemical powder, foam or alcohol foam.

Fire Fighting Procedures:

Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service, and eliminate sources of ignition if safe to do so. Use water spray to cool containers and avoid pressure build-up (do not allow water to mix with product). If fire occurs, isolate area, contain and eliminate fire, then dispose of debris in accordance with official regulations. Stay upwind of material at all times. Wear self-contained breathing apparatus and full protective clothing. May release dense black smoke containing hazardous products of combustion. During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.

Fire and Explosion Hazard:

Contains possibly combustible materials. Over-heated containers may rupture. Fumes may be flammable/explosive in air when in the presence of an ignition source. Vapors may travel a significant distance to a source of ignition and flash back.

Sensitivity of Static Charge:

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

6

ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Evacuate all unnecessary personnel and surrounding areas, and eliminate all sources of ignition if safe to do so. Wear proper personal protective equipment, especially a self-contained breathing apparatus. Do not touch or walk through spilled material. Provide adequate ventilation and avoid breathing vapors. Ground all equipment used.

Environmental Precautions:

Contain liquids and prevent discharge into streams, soil, waterways, drains 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, especially if environmental pollution has occurred. In case of major release or road spill notify CHEMTREC USA at 800-424-9300.

Remove all sparking devices or ignition sources. Product is flammable. Stop leak if without risk. Move containers from spill area. Approach spill from upwind. Vapor suppressing foam may be used to reduce vapors. Cover with an inorganic absorbent, such as vermiculite, perlite, ground clay, or sand; sweep up, and dispose according to local, state and federal regulations. Contaminated absorbent may pose the same hazard as spilled material does. Use spark proof tools and explosion proof equipment. Dispose of via a licensed waste disposal contractor.

7

HANDLING AND STORAGE

Handling Precautions:

Avoid vapor formations and use with adequate ventilation.
Avoid breathing fumes.
Vapors are heavier than air and will tend to collect in low areas. Avoid use in confined spaces.
Avoid bodily contact with material.
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.
Flammable vapours may form explosive mixtures in the air.
Ground coating equipment and containers at all times.
Use non sparking tools.
Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair.
Contains material that may attack some forms of plastics, rubbers and coatings.
Clean spills immediately.

Storage Requirements:

Keep away from heat, static electricity discharges and all sources of ignition.
Avoid moisture and extreme temperatures.
Avoid shock and friction.
Store in a cool, dry area away from direct sunlight (do not store in temperatures below 50 oF or above 77 oF).
Do not allow cross-contamination, and keep away from incompatible materials.
Keep tightly closed when not being used, but vent carefully before using.
Label all containers appropriately.

MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 5 of 7

Do not reuse containers.
 Do not store near food or drinks.
 Avoid excessive aging.
 Store in accordance with local regulations.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls:

Adequate room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits. Assure ACGIH TWA and OSHA PEL limits of Toluene (20 ppm, 100 ppm) are maintained. Use of fume hoods or closed booths required when product is used in a manner that may generate mist or aerosol.

Personal Protective Equip:

HMIS PP, F | Goggles, Chemical Resistant Gloves, Apron (protective industrial clothing recommended along with apron), Vapor Respirator.

Respiratory: Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application of product. Follow respirator manufacturer's directions for respirator use. N series respirator recommended.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times. Solvent resistant (neoprene, nitrile or other nonporous) recommended.

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Chemical splash safety glasses should be worn at a minimum.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Impervious work clothing such as long sleeves, long pants, lab coat, chemical boots and chemical resistant (solvent resistant) apron recommended.

Emergency shower and eyewash facility should be in close proximity. Employ proper hygienic measures after working with material and before eating, smoking or using the lavatory. Fully wash any contaminated clothing.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the regulations of environmental protection legislation.

Completely isolate and thoroughly clean all equipment, piping or vessels with a solvent before beginning maintenance or repairs.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance: Clear
Physical State: Liquid
Viscosity: 10cP

Odor: Ammoniacal
Solubility: Reacts with water
VOC: Exempt

10	STABILITY AND REACTIVITY
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Stability: Stable.

Conditions to Avoid: Heat, sources of ignitio, sunlight and moisture.

Materials to Avoid: Strong oxidizing agents, strong acids, strong bases, water, alkalies, nitrates, some plastics, isocyanates and certain protic solvents.

Hazardous Decomposition: May contain silicon dioxide, unburned hydrocarbons, isobutylene, acetic acid, ethanol, nitrogen oxides, carbon monoxide, silicon dioxide,.carbon dioxide, methanol.and formaldehyde.

Hazardous Polymerization: Will not occur.

MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 6 of 7

11 TOXICOLOGICAL INFORMATION

Ingredient	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Toluene	A4	3	-	-	-	-

Reported Human Effects:

No human studies have been conducted with this material. The use of recommended protective equipment should prevent any adverse effects. Ingestion of inhalation of high doses may cause CNS depression/stimulation symptoms.

Reported Animal Effects from various individual chemical components:

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

Vapor LC50, rat 20 g/m³

Skin irritation, rabbit; corrosive.

Vapor LC50, rat 4211 ppm

Inhalative LC50, 12.52 mg/l

Dermal LD50, 2,000 mg/kg

12 ECOLOGICAL INFORMATION

Water hazard Category 2: Contains materials toxic to fish. Avoid disposal in landfills and sewage systems. Avoid release into water sources.

13 DISPOSAL CONSIDERATIONS

This product is not regulated by the EPA. It is the waste generator's responsibility to determine how disposal must occur. Disposal should be made in accordance to federal, state, and local regulations. Minimize or avoid the generation of waste whenever possible. Dispose of waste, unused material and empty containers in a licensed facility. Do not discharge into drains, surface waters or groundwater. Do not heat or cut the empty container with electric or gas torch.

14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3
UN #: 1123

US DOT:

Proper Shipping Name: Butyl Acetates
Packing Group: II

IATA:

Proper Shipping Name: Butyl Acetates
Hazard Class: 3
UN Number: 2234
Packing Group: II



MC-160 High Gloss Ceramic Clear/MC-161 Matte Ceramic Clear

SDS Number:

Revision Date: 7/11/2014

Page 7 of 7

15

REGULATORY INFORMATION

U.S. Federal Regulations: TSCA All components are listed or exempted.
SARA 302/304/311/312: Fire, Acute

Individual products may or may not contain chemicals subject to the reporting requirements of SARA 313.

California Proposition 65:

Product contains minute traces of chemicals known to the state of California to cause cancer and birth defects, or other reproductive harm:
Toluene.

Canadian DSL Inventory Status: This product contains materials listed on the Canadian DSL..

*tert-Butyl acetate (540885 70-80%) 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
OSHA = 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

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 Safety Data Sheet available to all your employees.

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