

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Nobiltone 20-Minute Heat-Cure
Liquid
Product Number: 7496-7498
Chemical Name: Acrylic Liquid (monomer)
Chemical Family: Methyl Methacrylate

Company Identification

Nobilium Co., Div. of CMP Industries LLC
413 North Pearl St
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
METHYL METHACRYLATE	> 80.0 %	80-62-6
ETHYLENE GLYCOL DIMETHACRYLATE	< 20.0 %	97-90-5
DIMETHYL P TOLUIDINE	< 2.0 %	99-97-8
2-BENZOYL-5-METHOXYPHENOL	< 2.0 %	131-57-7

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****
*
* Prolonged exposure can lead to kidney and liver *



* damage. *
* *

POTENTIAL HEALTH EFFECTS

EYE:

Can cause slight eye irritation.

SKIN:

Can cause moderate skin irritation and sensitization.

INHALATION:

can cause respiratory irritation. Prolonged exposure can lead to headaches, nausea, drowsiness and unconsciousness.

INGESTION:

Ingestion is not considered a potential route of exposure. Harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE:

Headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness.

CHRONIC EFFECTS:

Prolonged and repeated exposure can cause the following: allergic skin reaction, kidney and liver damage.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

TARGET ORGAN:

Nose, Liver, Kidneys & Eyes.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Individuals with pre-existing skin disorders may be more susceptible to severe irritation and possible sensitization.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eyes with water for 15 minutes, including under eyelids. Contact a physician.



(section 4 continued)

SKIN CONTACT FIRST AID:

Remove contaminated clothing. Wash skin with soap and water. Contact a physician.

INHALATION FIRST AID:

Remove to fresh air. If breathing is difficult, give oxygen. Get medical help if discomfort persists.

INGESTION FIRST AID:

Do not induce vomiting. Dilute with 2 glasses of water. Never give anything to an unconscious person. Contact a physician.

STATEMENT OF PRACTICAL TREATMENT:

Maintain airway. Provide oxygen and/or ventilation assistance, if needed. Treat burns or allergic reactions conventionally after decontamination.

MISCELLANEOUS:

Wash clothing thoroughly before reuse.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 10 C (50.0 F)
Autoignition Temperature: 2.1 C (35.8 F)

FLAMMABLE LIMITS IN AIR

LEL: 2.1 %
UEL: 12.0 %

FLAMMABLE PROPERTIES:

Vapors may travel to source of ignition and flash back. Heat can cause polymerization. Heated containers will explode.

EXTINGUISHING MEDIA:

Carbon dioxide, chemical foam, or dry chemical.

FIRE & EXPLOSION HAZARDS:

Spontaneous polymerization may occur on prolonged storage.

FIRE FIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus and full protective gear. Use water spray to cool containers.

EXPLOSION HAZARD - fight fire from protected location.

COMBUSTION PRODUCTS:

Not known.



6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Evacuate area. Wear appropriate personal protective equipment.

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e g, dry sand or earth), then transfer to proper containers for disposal, use non-sparkling tools. Contaminated monomer may be unstable, add inhibitor to prevent polymerization.

CAUTION: Keep spills and cleaning runoffs out of sewers and open bodies of water. Spills on porous surfaces can contaminate the groundwater.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking.

HANDLING (PHYSICAL ASPECTS):

Store in cool dry place away from heat, sparks, flame and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Check inhibitor levels every three(3) months.

STORAGE PRECAUTIONS:

Store in a cool dry place away from heat, sparks, flame and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses or chemical splash goggles.

SKIN PROTECTION REQUIREMENTS:

Impervious clothing.

RESPIRATORY PROTECTION REQUIREMENTS:

Do not breathe mists or vapors. Use self-contained breathing apparatus when needed or when level exceeds 100 ppm.



(section 8 continued)

MISCELLANEOUS:

Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source.

EXPOSURE GUIDELINES:

METHYL METHACRYLATE

OSHA PEL: 100 ppm, 410 mg/m³

OSHA TWA: 100 ppm, 410 mg/m³

DIMETHYL P TOLUIDINE

OSHA PEL: 10 mg/m³

OSHA TWA: 2.5 mg/m³

HYDROQUINONE

OSHA PEL: 2 mg/m³

OSHA TWA: 2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Clear
ODOR: Fruity
BOILING POINT: 101°C, 214°F F
VAPOR PRESSURE: 29 mm Hg @ 68 F
VAPOR DENSITY: 3.5 @ 60°F (Air = 1)
SOLUBILITY IN WATER ...: Moderate 1.6 gm/100 gms @ 20°C, 214°F
SPECIFIC GRAVITY: 0.94 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Reducing agents, oxidizing agents and UV light. Material has strong solvent properties and can soften paint and rubber.

DECOMPOSITION:

Oxides of carbon when burned.

CONDITIONS TO AVOID:

Heat above 70°F, 21°C, and source of ignition, aging and contamination, peroxides, acids, alkalies and amines.



11. TOXICOLOGICAL INFORMATION

METHYL METHACRYLATE

Test Code: TCLO
Species: Human
Results: 125 ppm

Test Code: LC50
Species: Rat
Results: 3750 ppm

DIMETHYL P TOLUIDINE

Test Code: LC50
Species: Rat
Results: 149 ppm/7 hr

Test Code: Oral LD50
Species: Rat
Results: 467 mg/kg

Test Code: Oral LD50
Species: Mouse
Results: 250 mg/kg

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

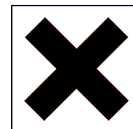
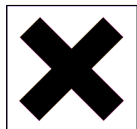
PRODUCT LABEL: Nobiltone 20-Minute Heat-Cure Liquid
D.O.T. SHIPPING NAME: Methyl Methacrylate, Inhibited
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Flammable Liquid
UN NUMBER: N/A



15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger:

Harmful (Xn), Irritant (Xi)



R-Phrases:

R10 - Flammable.

R20/21/22 - Harmful by inhalation, in contact with skin, and if swallowed.

R36/37/38 - Irritating to eyes, respiratory system, and skin.

R42/43 - May cause sensitization by inhalation and skin contact.

R48 - Danger of serious damage to health by prolonged exposure.

S-Phrases:

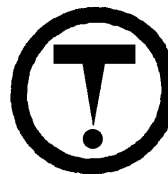
S16 - Keep away from sources of ignition. No smoking.

S3 - Keep in a cool place.

S8 - Keep container dry.

WHMIS Hazard Symbols:

Class B - Flammable and Combustible Material, Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

METHYL METHACRYLATE (80-62-6)

SARA Title III - Section 313

METHYL METHACRYLATE (80-62-6)

CERCLA Hazardous Substances

METHYL METHACRYLATE (80-62-6) -- RQ 1000 lb

RCRA Hazardous Substances

METHYL METHACRYLATE (80-62-6) -- RCRA Code: U162

Title V

METHYL METHACRYLATE (80-62-6)

SC Toxic Air Pollutants List

METHYL METHACRYLATE (80-62-6)



16. OTHER INFORMATION

PREPARED BY: Shirley A. McCoy
APPROVED BY: Abdul Khan
TITLE: Q. C. Manager
APPROVAL DATE: April 17, 2003
SUPERCEDES DATE ...: June 10, 1998
MSDS NUMBER: 7496-7498
RTN NUMBER: 00000259 (Official Copy)

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