

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Acrylic Bonding Agent - Nobilium
Product Number: 7319
Chemical Name: Acrylic Liquid
Chemical Family: Acrylate
CAS Number: Blend

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. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* WARNING *
*
* Cancer hazard. Avoid inhalation of vapors or fumes. *
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EYE:

May cause slight irritation.

SKIN:

May cause skin irritation.

INHALATION:

Causes respiratory tract irritation.

INGESTION:

Harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE:

Use in well ventilated areas, high concentrations can induce headaches and nausea.



(section 2 continued)

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Dichloromethane is listed by IARC and NTP as a carcinogen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
DICHLOROMETHANE	25.0 %	75-09-2
METHYL METHACRYLATE	75.0 %	80-62-6

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

As defined under Sara 311 and 312, this product contains materials that are acute hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Get medical attention, if irritation persists.

SKIN CONTACT FIRST AID:

Flush skin with water for 15 minutes.

INHALATION FIRST AID:

Remove to fresh air. If not breathing, give oxygen by trained personnel.

INGESTION FIRST AID:

Ingestion is not considered a potential route of exposure.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 10.0 C (50.0 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: 1.8 %

UEL: 8.2 %



(section 5 continued)

EXTINGUISHING MEDIA:

Foam, Carbon dioxide, dry chemical or water fog.

FIRE & EXPLOSION HAZARDS:

Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization.

FIRE FIGHTING INSTRUCTIONS:

Fight fire from a safe distance of protected areas.

COMBUSTION PRODUCTS:

Acidic fumes, carbon monoxide, carbon dioxide and smoke.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Mop up and wash with water. Confine spill with inert absorbent. Ventilate area. Prevent skin contact and breathing of vapor. Remove all sources of ignition.

SMALL SPILLS PROCEDURE:

Same as large spill.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Observe label precautions.

STORAGE PRECAUTIONS:

Avoid exposure to heat, direct sun, sparks or flame. Store in a cool room.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

safety glasses.

SKIN PROTECTION REQUIREMENTS:

Not required.

RESPIRATORY PROTECTION REQUIREMENTS:

Not required.



(section 8 continued)

MISCELLANEOUS:

Mechanical ventilation should be used to keep value below TLV & PEL.

EXPOSURE GUIDELINES:

DICHLOROMETHANE

OSHA PEL: 175 mg/m³

OSHA TWA: 50 ppm

METHYL METHACRYLATE

OSHA PEL: 100 ppm, 410 mg/m³

OSHA TWA: 100 ppm, 410 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Clear
ODOR: Fruity
BOILING POINT: 214 F
VAPOR DENSITY: 3.46 (Air = 1)
SOLUBILITY IN WATER ...: 1.6 gr
SPECIFIC GRAVITY: .95 (Water = 1)
% VOLATILES: 100 %
EVAPORATION RATE: 3

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing and reducing agents.

DECOMPOSITION:

Acidic fumes, carbon monoxide, carbon dioxide and smoke.

CONDITIONS TO AVOID:

Exposure to heat, ignition sources and direct sunlight could generate polymerization.



11. TOXICOLOGICAL INFORMATION

DICHLOROMETHANE

Test Code: Eye
Species: Rabbit
Results: 162 mg caused moderate irritation.

Test Code: TCLO
Species: Human
Results: 125 ppm

Test Code: Acute Dermal Exposure
Species: Rabbit
Results: 810 mg/24 hr caused severe irritation.

Test Code: Inhalation Study
Description: Carcinogenicity
Species: Rat
Results: 3500 ppm/2 yr (intermittently) caused endocrine tumors.

Test Code: Oral Toxicity
Description: Mutagenicity
Species: Rat
Results: 1275mg/kg caused DNA damage.

Test Code: Fibroblast
Description: Mutagenicity
Species: Human
Results: 5000 ppm/1 hr (continuously) caused DNA inhibition.

Test Code: TCLO
Species: Human
Results: 500 ppm/yr (intermittently) caused altered sleep time, somnolence and change in heart rate.

Test Code: TCLO
Species: Human
Results: 500 ppm/8 hr caused euphoria.

Test Code: LD10
Species: Human
Results: 357 mg/kg caused somnolence, paresthesia, convulsions or effect on seizure threshold.

Test Code: Oral LD50
Species: Rat
Results: 1600 mg/kg



(section 11 continued)

Test Code: Multiple Dosage, Inhalation
Species: Rat
Results: 8400 ppm/6 hr/13 weeks (intermittently) caused in liver weight.

METHYL METHACRYLATE

Test Code: Oral LD50
Species: RAT
Results: 7872 mg/kg

Test Code: LC50
Species: Rat
Results: 3750 ppm

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

In water dichloromethane is removed through evaporation.

DICHLOROMETHANE

Test Code: LC50
Species: Fathead Minnow
Results: 193 mg/L/96 hr

Test Code: LC50
Species: Bluegill
Results: 230 mg/ L/24 hr

Test Code: LC50
Species: Guppies
Results: 294 ppm/14 days

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

EPA listed hazardous waste under RCRA (U-162). Incinerate under controlled which complies with federal , state and local requirements.

14. TRANSPORT INFORMATION



(section 14 continued)

PRODUCT LABEL: Acrylic Bonding Agent - Nobilium
D.O.T. SHIPPING NAME: Dichloromethane & Methyl Methacrylate mixture
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Flammable Liquid
UN NUMBER: N/A

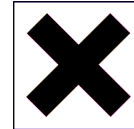
15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313	02 = CA Proposition 65
03 = SARA 302/304	04 = CERCLA 302.4
05 = ACGIH TWA	06 = ACGIH STEL
07 = ACGIH CALC TLV	08 = OSHA PEL
09 = CANADIAN WHMIS	10 = OSHA Ceiling

EEC Symbols and Indications of Danger:

Highly Flammable (F), Irritant (Xi)



R-Phrases:

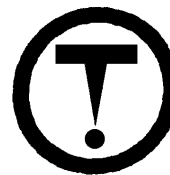
R10 - Flammable.
R36/37/38 - Irritating to eyes, respiratory system, and skin.

S-Phrases:

S16.1 - Keep away from sources of ignition.
S15.1 - Keep away from heat and flame.

WHMIS Hazard Symbols:

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



Canadian Disclosure List

DICHLOROMETHANE (75-09-2)
METHYL METHACRYLATE (80-62-6)



(section 15 continued)

SARA Title III - Section 313

DICHLOROMETHANE (75-09-2)
METHYL METHACRYLATE (80-62-6)

CERCLA Hazardous Substances

DICHLOROMETHANE (75-09-2) -- RQ 1000 lb
METHYL METHACRYLATE (80-62-6) -- RQ 1000 lb

RCRA Hazardous Substances

DICHLOROMETHANE (75-09-2) -- RCRA Code: U080
METHYL METHACRYLATE (80-62-6) -- RCRA Code: U162

Title V

DICHLOROMETHANE (75-09-2)
METHYL METHACRYLATE (80-62-6)

CA Proposition 65

DICHLOROMETHANE (75-09-2)

SC Toxic Air Pollutants List

DICHLOROMETHANE (75-09-2)
METHYL METHACRYLATE (80-62-6)

16. OTHER INFORMATION

PREPARED BY: Regina Lane
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: November 1, 2013
SUPERCEDES DATE ...: March 3, 2011
RTN NUMBER: 00000145 (Official Copy)

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
RQ - REPORTABLE QUANTITY	PEL - Permissible Exposure Limit
C - CEILING LIMIT	CAS - Chemical Abstract Service Number
NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

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END OF MSDS

