



1. Identification of the Substance / Preparation and of the Company / Undertaking

- 1.1 Product Name:** 100% Solids Base Coat (Activator)
- 1.2 Chemical Name:**
- 1.3 Part Number:** 294007043N
- 1.4 Relevant Identified Uses:** Lane Finish
- 1.5 Restrictions on Use:** None
- 1.6 Manufacturer:** QubicaAMF 8100 AMF Drive
Mechanicsville, VA 23111, USA
Emergency Phone: (352) 323-3500 (800) 535-5053
Email: EU-Chemicals@qubicaamf.com (Worldwide);
INFOSDS@qubicaamf.us (USA)
- 1.7 ChemTel 24-hour Emergency Phone Numbers:** United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924,
Australia: 1-300-954-583, Brazil: 0-800-591-6042, China: 400-120-0751,
India: 000-800-100-4086, Mexico: 01-800-099- 0731,
All other countries (collect calls accepted): +1-813-248-0585

2. Hazards Identification

2.1 WHMIS hazard class



2.3 Label Elements

2.3.1 Pictogram(s)/Symbol(s): GHS07 Harmful

2.3.2 Signal Word: WARNING



2.3 Hazard statements: Harmful if inhaled.
Causes eye, skin and respiratory tract irritation.
May cause lung damage.
May cause allergic skin and respiratory reaction.

2.4 Relevant routes of exposure: Skin, Inhalation, Eyes

2.5 Potential Health Effects:

Inhalation: May cause respiratory tract irritation. This product may cause sensitization by inhalation and skin contact. Methylene bisphenyl isocyanate (MDI) vapors or mist at concentrations above the TLV can irritate the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction). As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the TLV. Chronic overexposure to isocyanates has been reported to cause lung damage.



- Skin contact:** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons. Animal tests have indicated that respiratory sensitization can result from skin contact with MDI. Isocyanates react with skin protein and moisture and can cause irritation which may include the following symptoms: reddening, swelling, rash, scaling or blistering.
- Eye contact:** Liquid or vapor can cause moderate to severe irritation. Symptoms can include irritation, redness, scratching of the cornea, and tearing. Conjunctivitis.
- Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Not expected under normal conditions of use.

2.6 Existing conditions aggravated by exposure

Pre-existing skin or lung allergies may increase the chance of developing exaggerated allergic symptoms from exposure to this product.

See Section 11 for additional toxicological information.

3. Composition / Information on Ingredients

3.1 Ingredients

Hazardous components	CAS Number	%
Methylenebis(phenylisocyanate)	101-68-8	30 - 60 %
Substituted polyol	Proprietary	10 - 30 %
Diphenylmethane- 2,4'-diisocyanate	Proprietary	5 - 10 %
Triethyl phosphate	78-40-0	1 - 5 %

4. First Aid Measures

4.1 Description of first aid measures

- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
- Skin Contact:** Immediately wash skin thoroughly with soap and water. Remove contaminated clothing and footwear. Get immediate medical attention.
- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
- Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5. Fire Fighting Measures

5.1 Extinguishing Media

Use NFPA Class B fire extinguishers (Carbon dioxide, all purpose dry chemical or alcohol foam) designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.



5.2 Special firefighting procedures

Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

5.3 Unusual fire or explosion hazards

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

5.4 Hazardous combustion products: Smoke. Oxides of nitrogen. Oxides of carbon. Hydrogen cyanide.

5.5 Sensitivity to Mechanical Impact: None

5.6 Sensitivity to static discharge: None

6. Accidental Release Measures

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Do not allow product to enter sewer or waterways.

6.2 Clean-up methods:

Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Dispose of contaminated material as waste according to Chapter 13.

7. Handling and Storage

7.1 Safe Handling Precautions:

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed..

7.2 Safe Storage Requirements:

Do not let moisture contaminate this material. Product reacts with water to release carbon dioxide, which could build up pressure in closed containers and lead to bursting. Do not reseal if moisture contamination is suspected.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. Exposure Controls / Personal Protection

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Methylenebis (phenylisocyanate)	0.005 ppm TWA	0.02 ppm (.02 mg/m ³) Ceiling	None	None
Substituted polyol	None	None	None	None
Diphenylmethane- 2, 4'-diisocyanate	None	None	None	None
Triethyl phosphate	None	None	1 ppm (7.45 mg/m ³) TWA	None



- 8.2 Appropriate Engineering controls:** Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
- 8.3 Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134)..
- 8.4 Eye / face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.
- 8.5 Protection of skin:** Use impermeable gloves and protective clothing as necessary to prevent skin contact. Wear suitable protective clothing.

9. Physical and Chemical Properties

Physical state: Liquid

Color: Amber

Odor: Musty

Odor threshold: Not available

pH-value: Not determined

Vapor pressure: Not determined

Boiling point/range: 390.2 °F (199 °C)

Melting/freezing point: Not determined

Specific gravity: 1.2 (Water = 1)

Vapor density: Heavier than air

Flash point: Not applicable

Auto-ignition temperature: Not determined

Evaporation rate: Slower than diethyl ether

Flammable/Explosion limit lower: Not determined

Flammable/Explosion limit upper: Not determined

Solubility in water: Not determined

Partition coefficient (N-octanol/water):
Not determined

VOC content: Not determined

10. Stability and Reactivity

- 10.1 Chemical stability:** Stable under normal conditions.
- 10.2 Hazardous reactions:** None under normal processing.
- 10.3 Hazardous decomposition products:** Smoke. Oxides of nitrogen. Oxides of carbon. Hydrogen cyanide.
- 10.4 Incompatible materials:** Water
- 10.5 Conditions to avoid:** Moisture. Excessive heat

11. Toxicological Information

- 11.1 Chronic Toxicity:** Not available

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.



Hazardous Components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (specifically regulated)	ACGIH Carcinogen
Methylenebis (phenylisocyanate)	No	No	No	No
Substituted polyol	No	No	No	No
Diphenylmethane- 2, 4'-diisocyanate	No	No	No	No
Triethyl phosphate	No	No	No	No

Hazardous Components	LD50s and LC50s	Health Effects/Target Organs
Methylenebis (phenylisocyanate)	Inhalation LC50 (RAT, 4 h) = 0.369 mg/1 Inhalation LC50 (RAT, 4 h) = 0.38 mg/1	Irritant, Respiratory, Allergen
Substituted polyol	None	Irritant
Diphenylmethane- 2, 4'-diisocyanate	None	Irritant, Allergen, Respiratory
Triethyl phosphate	Oral LD50 (rabbit) = 1.6 g/kg Oral LD50 (RAT) = 1.6 g/kg Dermal LD50 (rabbit) > 20 g/kg Inhalation LC50 (RAT, 4 h) = 8.817 mg/1	Irritant, Central nervous system

12. Ecological Information

12.1 Ecological information: No information available

13. Disposal Considerations

Information provided is for unused product only.

13.1 Waste disposal recommendations:

Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product.

14. Transport Information

14.1 Canada Transportation of Dangerous Goods - Ground

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

14.2 International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
Hazard class or division: 9
Identification number: UN 3082
Packing group: III



14.3 Water Transportation (IMO/IMDG)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

Hazard class or division: 9

Identification number: UN 3082

Packing group: III

15. Regulatory Information

15.1 Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

15.2 United States Regulatory Information

TSCA 8 (b) Inventory Status:

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. Other Information

16.1 SDS: 100% Solids Base Coat (Activator)

16.2 Product ID: 294007043N

16.3 SDS Revision Level: 2.0

16.4 SDS Revision Date: 01 October 2017

16.5 Revision Reason(s): To add ChemTel Emergency Phone Numbers.

16.6 Notice to Reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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