



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

- 1.1 Product Name:** Water Based Approach Finish
- 1.2 Other Means of ID:** None
- 1.3 Part Number:** 294007050N & 294007151N
- 1.4 Recommended Use:** 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 Classification of the substance or mixture:

2.11 WHMIS Hazard Class: D2A  D2B 

2.2 Signal Word: WARNING

2.3 Hazard statements: May cause eye, skin and respiratory tract irritation.
May cause central nervous system effects.
May cause allergic skin reaction.

2.4 Relevant routes of exposure: Skin, Inhalation, Eyes

2.5 Potential Health Effects:

- Inhalation:** May cause respiratory tract irritation. High vapor concentrations may cause central nervous system depression (headache, nausea, dizziness).
- Skin contact:** May cause skin irritation. Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction. Symptoms may include redness, burning, drying, cracking and skin burns.
- Eye contact:** May cause irritation.
- Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspirated material can enter the lungs and result in pneumonitis.

2.6 Existing conditions aggravated by exposure::
Eye, skin and respiratory disorders.

See Section 11 for additional toxicological information.



3. Composition / Information on Ingredients

3.1 Substance/preparation (mixture):

Hazardous Components	CAS Number	%
N-Methyl-2-pyrrolidone	872-50-4	1-5

4. First Aid Measures

4.1 Description of first aid measures

- After inhalation:** Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Loosen clothing and place exposed in a comfortable position. Seek medical assistance if cough or other symptoms appear.
- After skin contact:** Wash hands and exposed skin with soap and plenty of water. Remove contaminated clothing and footwear. Seek medical attention if irritation persists or if concerned.
- After eye contact:** Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Seek medical attention if irritation persists or concerned.
- After swallowing:** Immediately contact a physician or poison control center. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention if irritation, discomfort, or vomiting persists.

5. Fire Fighting Measures

- 5.1 Flash point:** Not applicable.
- 5.2 Autoignition temperature:** Not applicable.
- 5.3 Flammable/Explosive limits - lower:** Not applicable.
- 5.4 Flammable/Explosive limits - upper:** Not applicable.
- 5.5 Extinguishing media:** Use extinguishing measures appropriate to local circumstances and the surrounding environment. Foam, dry chemical or carbon dioxide.
- 5.6 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.
- 5.7 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.
- 5.8 Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Smoke. Irritating and toxic gases or fumes may be released during a fire.
- 5.9 Sensitivity to Mechanical Impact:** None expected.
- 5.10 Sensitivity to static discharge:** None expected.



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 groundwater 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 section 13.

7. Handling and Storage

- 7.1 Handling: Prevent contact with eyes skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Wear suitable protective clothing, gloves and eye/face protection. For industrial use only. Empty containers must not be washed and reused for any purpose. Never use pressure to empty. Drum is not a pressure vessel.
7.2 Storage: Protect from freezing. Store in a cool, dry, well-ventilated area.

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.

Table with 5 columns: Hazardous Components, ACGIH TLV, OSHA PEL, AIHA WEEL, OTHER. Row 1: N-Methyl-2-pyrrolidone, None, None, 10 ppm (40 mg/m3) TWA (SKIN), None

- 8.1 Engineering controls: Work should be done in an adequately ventilated area... Local exhaust ventilation is recommended when General ventilation is not sufficient to control Airborne contamination.
8.2 Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limits. Observe OSHA regulations for respirator use (29 CFR 1910.134).
8.3 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.
8.4 Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Wear suitable protective clothing.





9. Physical and Chemical Properties

9.1 Physical and Chemical Properties

- Physical state: Liquid
Color: Off white
Odor: Amine
Odor threshold: Not available
pH: 7.0 - 8.5
Vapor pressure: Not available
Melting point/range: Not available
Boiling point/range: Not available
Specific gravity: 1.1
Vapor density: Heavier than air.
Flash point: Not applicable
Flammable/Explosion limit lower: Not available
Flammable/Explosion limit upper: Not available
Auto/Self-Ignition temp.: Not available
Evaporation rate: Slower than diethyl ether
Solubility in water: Miscible
Partition coefficient (N-octanol/water): Not available
VOC content: 182/gl

10. Stability and Reactivity

- 10.1 Stability: Stable under recommended storage conditions.
10.2 Hazardous reactions: None expected
10.3 Hazardous decomposition products: Smoke. Oxides of nitrogen. Oxides of carbon. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.
10.4 Conditions to avoid: Freezing conditions
10.5 Incompatible materials: Strong acids. Strong alkalis.

11. Toxicological Information

11.1 Toxicologically synergistic products: Not available

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

Table with 4 columns: Hazardous Components, NTP Carcinogen, IARC Carcinogen, OSHA Carcinogen (specifically regulated). Row 1: N-Methyl-2-pyrrolidone, No, No, No.

Table with 3 columns: Hazardous Components, LD50s and LC50s, Health Effects/Target Organs. Row 1: N-Methyl-2-pyrrolidone, Oral LD50 (RAT) = 4,320 mg/kg, Oral LD50 (RAT) = 3,914 mg/kg, Dermal LD50 (RABBIT) = 8,000 mg/kg, Blood, Bone marrow, Central nervous system, Immune system, Irritant, Lung.



12. Ecological Information

- 12.1 Ecological information:** Do not empty into drains, soil, or bodies of water.

13. Disposal Considerations

Information provided is for unused product only.

13.1 Waste disposal recommendations:

Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations.

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

14.3 Water Transportation (IMO/IMDG)

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



15. Regulatory Information

15.1 Canada Regulatory Information:

CEPA DSL/NDSL Status Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian importers of record as required by Environment Canada. They may be imported into Canada in limited quantities.
Please contact Regulatory Affairs for additional details.

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.

California Proposition 65 This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

16. Other Information

16.1 This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

16.2 SDS: Water Based Approach Finish

16.3 Product ID: 294007050N & 294007151N

16.4 SDS Revision Level: 2.0

16.5 SDS Revision Date: 18 September 2017

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

16.7 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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