

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

- 1.1 Product Name:** **Approach and Spot**
- 1.2 Other Means of ID:** None
- 1.3 Part Number:** 294007037
- 1.4 Recommended Use:** Approach and Spot Cleaner
- 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 Health Hazard**

Aspiration hazard, category 1  
Carcinogenicity, category 1B  
Germ cell mutagenicity, category 1B

**2.12 Flammable**

Flammable liquids, category 3  
Asp. Tox. 1  
Mutagen 1B  
Carcinogenicity 1B  
Flam. Liq. 3

**2.2 Signal Word:** Danger

- 2.3 Hazard statements:** Flammable liquid and vapor.  
May be fatal if swallowed and enters airways.  
May cause genetic defects.  
May cause cancer.

**2.4 Precautionary Statements:**

If medical advice is needed, have product container or label at hand.  
Read label before use. Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.



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Wear protective gloves/protective clothing/eye protection/face protection.  
 Keep container tightly closed. Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/light/equipment.  
 Use only non-sparking tools. Take precautionary measures against static discharge.  
 Use personal protective equipment as required.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
 Rinse skin with water/shower. Do NOT induce vomiting.  
 In case of fire: Use agents recommended in section 5 for extinction.  
 IF exposed or concerned: Get medical advice/attention.  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 Store in a well ventilated place. Keep cool. Store locked up.  
 Dispose of contents and container to an approved waste disposal plant.

**2.5 Other Non-GHS Classification:**

WHMIS

D2A



D2B



B2

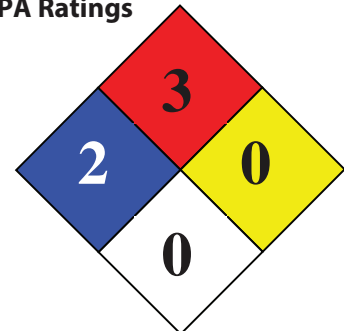


NFPA/HMIS

HMIS Ratings

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Ratings



**3. Composition / Information on Ingredients**

**3.1 Substance/preparation (mixture):**

**Ingredients:**

CAS 1330-20-7	Xylenes	8 %
CAS 64742-89-8	Solvent Naphtha LightAliphatic	92 %

*Percentages are by weight*



## 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. 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:** Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if irritation, discomfort, or vomiting persists.

### 4.2 Most Important Symptoms/Effects (acute and delayed)

Harmful Irritation, shortness of breath, headache, nausea, dizziness, blurred vision. Prolonged or repeated exposure to skin causes defatting and dermatitis.

### 4.3 Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

## 5. Fire Fighting Measures

### 5.1 Extinguishing Media

**Suitable extinguishing agents:** Use dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam. Use appropriate foam to blanket release and suppress vapors.

**For safety reasons unsuitable extinguishing agents:** Water may be ineffective.

### 5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors. Containers may explode when heated. Vapors may travel to sources of ignition. Vapors may form explosive mixtures with air. Vapors may form an explosive mixture with air. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.

### 5.3 Advice for firefighters:

**Protective equipment:** Use Wear protective eyewear, gloves, and clothing. Refer to Section 8.

**Additional information (precautions):** Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing. Cool closed containers exposed to fire with water spray.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Ensure that air-handling systems are operational.  
Remove all sources of ignition .



**6. Accidental Release Measures**

**6.2 Environmental Precautions:**

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

**6.3 Methods for Containment and Clean-up:**

Wear protective eyewear, gloves, and clothing. Refer to Section 8. Always obey local regulations. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Containerize for disposal. Refer to Section 13. Keep in suitable closed containers for disposal. Remove source from ignition. Absorb with inert material and place in chemical waste container. Ventilate spill area. Have extinguishing agent available in case of fire. Eliminate all ignition sources. Stop or control the leak, if this can be done without undue risk. Use appropriate foam to blanket release and suppress vapors. Control runoff and isolate discharged material for proper disposal.

**7. Handling and Storage**

**7.1 Safe Handling Precautions:**

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances. Keep away from open flames, sources of ignition, hot surfaces. Use explosion-proof equipment and non-sparking tools.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials. Store as flammable. Keep away from open flames, hot surfaces and sources of ignition.

**8. Exposure Controls / Personal Protection**



**8.1 Control Parameters:**

1330-20-7, Xylenes, ACGIH TL V T W A 435 mg/m<sup>3</sup>  
1330-20-7, Xylenes (o-, m-, p- isomers), OSHA PEL 100 ppm TWA; 435 mg/m<sup>3</sup> TW A

**8.2 Appropriate Engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits--OELs) indicated above.

**8.3 Respiratory Protection:**

Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

PRODUCT: **Approach and Spot** Revision: 2.0 4 JANUARY 2019**8.4 Protection of skin:**

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.

**8.5 Eye Protection:**

Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.

**8.6 General hygienic measures:**

Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before re-wearing, wash contaminated clothing. Work clothing that becomes wet should be immediately removed due to its flammability hazard.

**9. Physical and Chemical Properties****Appearance:** Clear, colorless liquid**Odor:** Hydrocarbon like**Odor threshold:** Not determined**pH:** Not determined**Melting/freezing point:** Not determined**Boiling point/boiling range:**  
185.00 °F @ 760.00 mmHg**Flash Point (closed cup):** 10.00 °C**Evaporation rate:** 3.5 (n-Butyl Acetate)**Flammability (solid, gas):** Not determined**Specific Gravity (H<sub>2</sub>O=1):** Not determined**Density (lbs/gal):** Not determined**Explosion limit lower:** 1.3 %(V)**Explosion limit upper:** 8.0 %(V)**Vapor Pressure:** 12.000 mmHg @ 20 °C**Vapor Density:** 3.65 (AIR=1)**Relative Density:** 0.752 g/cm<sup>3</sup>**Solubilities:** Soluble in most organic solvents**Partition coefficient (N-octanol/water):**  
Not determined**Auto/Self-Ignition temp.:** 450 °F / 232 °C**Decomposition temp.:** Not determined**Viscosity (a. Kinematic):** Not determined**Viscosity (b. Dynamic):** Not determined**10. Stability and Reactivity****10.1 Reactivity:**

Non-reactive under normal conditions.

**10.2 Chemical stability:**

Stable under normal conditions.

**10.3 Possible hazardous reactions:**

None under normal processing. Vapors may form explosive mixture with air.

**10.4 Conditions to avoid:**

Incompatible materials. Ignition sources, excess heat, open flames, hot surfaces.

**10.5 Incompatible materials:**

Oxidizing agents. Acids.

**10.6 Hazardous decomposition products:**

Carbon oxides.



## 11. Toxicological Information

### 11.1 Acute Toxicity:

<b>Oral:</b>	1330-20-7 (Xylenes)	LD50 Rat: 4,300 mg/kg
<b>Inhalation:</b>	1330-20-7 (Xylenes)	LD50 Rat: 5000 ppm -4h
<b>Dermal:</b>	1330-20-7 (Xylenes)	LD50 Rabbit: >1,700 mg/kg
<b>Oral:</b>	1330-20-7 (Xylenes)	LD 50 Rat: > 8,000 mg/kg
<b>Inhalation:</b>	1330-20-7 (Xylenes)	LC 50 Rat: 3400 ppm, 4 h
<b>Dermal:</b>	1330-20-7 (Xylenes)	LD 50 Rat: > 4,000 mg/kg
<b>Chronic Toxicity:</b>	No additional information.	

### 11.2 Corrosion Irritation:

<b>Dermal:</b>	1330-20-7 (Xylenes)	Rabbit: Skin Irritation - 24h
<b>Ocular:</b>	1330-20-7 (Xylenes)	Rabbit: mild eye irritation.
<b>Sensitization::</b>	No additional information.	
<b>Single Target Organ (STOT):</b>	No additional information.	
<b>Numerical Measures:</b>	No additional information.	

### 11.3 Carcinogenicity:

Mouse: Solvent Naphtha (Petroleum), Medium Aliphatic - Petroleum derived Jet A has the potential to cause tumors at the site of application. IARC:: Group 3: Not classifiable as to its carcinogenicity to humans (Xylene) NTP (National Toxicology Program) : Evidence of Carcinogenicity - Male Rat - No Evidence; Female Rat - No Evidence; Male Mice - No Evidence; Female Mice - No Evidence (TR-327, mixed) (Xylenes 1330- 20-7)  
ACGIH - A4 -: Not Classifiable as a Human Carcinogen Xylene (o-, m-, p- isomers) 1330-20-7

### 11.4 Mutagenicity:

Solvent Naphtha (Petroleum), Medium Aliphatic - In a mammalian cell gene mutation assay, the test substance did not induce chromosomal aberrations in rat bone marrow cells under the condition of the study assay.

### 11.5 Reproductive Toxicity:

Solvent Naphtha (Petroleum), Medium Aliphatic - Rat study LOAEL for systemic effects is 1500 mg/kg/day and the NOAEL for systemic effects is 750 mg/kg/day

## 12. Ecological Information

### 12.1 Ecotoxicity

### 12.2 Persistence and degradability:

Readily biodegradable based on component information.

### 12.3 Bioaccumulative potential:

No information available.

### 12.4 Mobility in soil:

No information available.

### 12.5 Other adverse effects:

No information available.



### 13. Disposal Considerations

**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. Ensure complete and accurate classification. RCRA (40 CFR 261.33 Haz Waste Code): Xylenes, mixed isomers (1330-20-7) waste number U239. Included in waste stream: F039

### 14. Transport Information

**14.1 UN Number:** UN 1993**14.2 Proper shipping name/Technical name:** Flammable liquids, N.O.S./NAPHTHA**14.3**  **Transport hazard class:**  
3 Flammable liquids**14.4 Packing group:** II**14.5 Environmental hazard:****14.6 Transport in bulk:****14.7 Special precautions for user:**

### 15. Regulatory Information

**15.1 United States (USA)****SARA Section 311/312 (Specific toxic chemical listings):** Acute, Fire**SARA Section 313 (Specific toxic chemical listings):**

1330-20-7 xylenes, mixed isomers 1.0 % de minimis concentration

**RCRA (hazardous waste code):** 1330-20-7 Xylenes - U23

1330-20-7 xylenes, mixed isomers RCRA waste code U239

**TSCA (Toxic Substances Control Act):** All ingredients are listed.**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

1330-20-7 xylenes, mixed isomers 100 lbs

**15.2 Proposition 65 (California):****Chemicals known to cause cancer:** None of the ingredients is listed.**Chemicals known to cause reproductive toxicity for females:** None of the ingredients is listed.**Chemicals known to cause reproductive toxicity for males:** None of the ingredients is listed.**Chemicals known to cause developmental toxicity:** None of the ingredients is listed.

**15.3 Canada):**

**Canadian Domestic Substances List (DSL):** All ingredients are listed.

**CanadianNPRIIngredientDisclosureList(limit0.1%):** None of the ingredients is listed.

**CanadianNPRIIngredientDisclosureList(limit1%):** None of the ingredients is listed.

**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:** Approach and Spot

**16.3 Product ID:** 294007037

**16.4 SDS Revision Level:** 2.0

**16.5 SDS Revision Date:** 4 JANUARY 2019

**16.6 Revision Reason(s):** Corrected Proper Shipping Name/Technical name, Section 14.2

**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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