



1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Name: Formula ACC Lane Cleaner
Other Means of ID: None
Part Number(s): 294-006-081i, 294-006-047i
1.2 Recommended Use: Bowling Lane Cleaner Concentrate (Water Based)
Restrictions on Use: None
1.3 Manufacturer: QubicaAMF Worldwide, LLC.
 8100 AMF Drive
 Mechanicsville, VA 23111, USA
Phone: (804) 730-4000; (800) 342-5263
E-mail: EU-Chemicals@qubicaamf.com (Worldwide); INFOSDS@qubicaamf.us (USA)
1.4 Emergency Phone: ChemTel 24-hour Emergency Numbers
USA, 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: +1-813-248-0585 (collect calls accepted)

2. Hazards identification

2.1 Classification of the substance or mixture: This product is considered hazardous according to 29 CFR 1910.1200 and (EC) No. 1272/2008. This SDS is written to conform to both US and EU jurisdictions.

2.2 Label Elements



Pictogram(s)/Symbol(s): GHS07

Signal Word: Warning
 Acute Toxicity Category 4
 Eye Irritant 2
 Skin Irritant 2
 Combustible Liquid 4

Hazard statements

H319: Causes serious eye irritation.
 H302: Harmful if swallowed.
 H315: Causes skin irritation.
 H227: Combustible liquid.

Precautionary Statements

Prevention: P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink, or smoke when using this product.
 P280: Wear protective gloves and splash resistant eye protection (goggles).
 P210: Keep away from flames and hot surfaces. No smoking.
Response: P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if easy to do, and continue rinsing.
 P337+P313: If eye irritation persists, get medical attention.
 P302+P352: If on skin, wash with plenty of soap and water.
 P312: Call a poison center or doctor/physician if you feel unwell.
 P330: Rinse mouth
 P321: No specific treatment is anticipated.
 P332+P313: If skin irritation occurs, get medical attention.
 P362: Take off contaminated clothing and wash before reuse.
 P370+P378: In case of fire, use an ABC rated or equivalent fire extinguisher for chemical fires.
Storage: P403+P235: Store in a well-ventilated place. Keep cool.
Disposal: P501: Dispose of contents and container as required by all local, state, federal and international laws or regulations.

2.3 Hazards not otherwise classified: None

Unknown toxicity: 3% of the mixture consists of ingredient(s) of unknown toxicity.

3. Composition/information on ingredients

Substance/preparation (mixture):preparation (mixture)

Chemical name*	CAS Number	Concentration by weight (%)	EC Number	Classification*
Water	7732-18-5	68-74 ⁺	231-791-2	---
Alcohols, C9-11, ethoxylated	68439-46-3	8-13 ⁺	614-482-0	---
(2-methoxymethylethoxy)propanol	34590-94-8	5-10 ⁺	252-104-2	---
Potassium hydroxide	1310-58-3	0-2 ⁺	215-181-3	Xi; R36/38
Tetrasodium ethylenediaminetetraacetate	64-02-8	0-1 ⁺	200-573-9	Xn; R22; Xi; R41

*Exact concentrations and chemical identity have been withheld as trade secret.



*Occupational Exposure Limit(s), if available, are listed in section 8. See section 16 for the full text of the R phrases declared above.

4. First Aid Measures

4.1 Description of first aid measures

Skin Contact: No emergency care anticipated. Wash skin with soap and water. Remove contaminated clothing and wash before reuse. Seek medical assistance if irritation persists.

Eye Contact: No emergency care anticipated. While holding eyes open, flush eyes thoroughly with water for at least 15 minutes. If wearing contact lenses, remove lenses and flush eyes for several minutes. Seek medical attention if irritation continues.

Ingestion: Do not induce vomiting unless directed to do so by medical professional. Treat symptomatically. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim from to fresh air and away from further exposure. Qualified personnel may give oxygen if breathing is difficult or cyanosis (blue discoloration of the skin) is noted. Give artificial respiration if subject is not breathing. Seek medical assistance if breathing difficulty continues.

4.2 Most Important Symptoms/Effects (acute and delayed)

Skin Absorption: This product is not expected to be harmful during short periods of contact. Repeated or prolonged contact with product may lead to skin irritation.

Eye Contact: Eye irritation may occur. Eye damage is unlikely.

Ingestion: Ingestion of small amounts of product is unlikely to cause injury and unlikely to have any toxic effects. The product may cause nausea, vomiting and diarrhea.

Inhalation: This product is not likely to cause an inhalation hazard during normal recommended usage. Inhalation of mist or spray may be harmful and may cause respiratory irritation or other pulmonary effects following prolonged or repeated exposures.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

Physician should treat symptomatically. Show physician this safety data sheet.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable: Use CO₂, dry powder, universal-type foam, and water fog

Unsuitable:

5.2 Specific Hazards Arising from Chemical: Material may splatter if temperature exceeds boiling point. Polymer film can burn. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products: Burning can produce soot, carbon monoxide, and other oxides.

5.3 Special Fire Fighting Procedures: Use water spray to cool fire-exposed containers and structures.

Special Protective Equipment for Firefighters: Wear full protective gear and a self-contained breathing apparatus with full face-piece; MSHA/NIOSH approved or equivalent; operated in positive pressure mode.

5.4 Additional Information

Flash Point: 68.8°C (156°F)

Method: PMCC

6. Accidental Release Measures

6.1 Personal Precautions: Wear protective clothing including gloves and eye protection when taking up spills. Eliminate any ignition sources.

6.2 Environmental Precautions: Prevent from entering sewers or drains.

6.3 Methods for Containment and Clean-up: Spills of this product can cause floor to be slippery. Use care to avoid falling. Cover drains and use spill dams to prevent spills from spreading. Absorb spilled product on an inert material such as sand, earth, or vermiculite. Spill clean-up materials should be collected in appropriately labeled containers for disposal. Dispose of material as required by all local, state, federal and international regulations and laws.

6.4 Reference to other sections: Note: see section 8 for personal protective equipment and section 13 for disposal considerations.

7. Handling and Storage

7.1 Safe Handling Precautions: Keep containers tightly closed to prevent contamination. Wear suitable personal protective equipment including gloves and splash resistant eye protection. Wash hands after use.

7.2 Safe Storage Requirements: Normal precautions should be followed in handling and storage. Keep container tightly closed. Storage between 4°C and 37°C (40°F - 100°F) is recommended.

7.3 Specific End Use(s): This product is intended for use as directed by the manufacturer and on the product label.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Limits/Standards

Substance Name	Form	Limit/Standard	Note	Source
(2-methoxymethylethoxy)propanol	Inhalable fraction (mist)	600 mg/m ³		OSHA PEL

8.2 Exposure Controls

Engineering Measures: Local exhaust is preferred. Mechanical ventilation is acceptable. Special measures are not normally necessary under normal usage of product.



Hygiene Measures: Wash hands thoroughly after handling and at the end of the day. Remove contaminated clothing and clean it before re-use.
Respiratory Protection: Special respiratory protection is not required with normal usage of product.
Hand and Skin Protection: Wear chemical resistant gloves and protective clothing to minimize contact.
Eye Protection: Appropriate eye protection should always be worn when handling chemicals. Splash resistant eyewear is recommended when splashing is a concern.
Environmental Controls: See Section 7: Handling and Storage and Section 13: Disposal Considerations for measures to prevent environmental exposure during use and waste disposal.

9. Physical and Chemical Properties

9.1 Information on basic chemical and physical properties

Appearance: Water clear, slightly tinged liquid	Vapor density: Not determined
Odor: Mild, solvent-like odor	Partition coefficient (n-octanol/water): Not determined
Specific gravity: 1.020 @ 20°C (H ₂ O=1)	Viscosity: Not determined
pH: 12.8	Flash Point: 68.8°C (156°F)
Melting/freezing point: Not determined	Method: PMCC
Initial boiling point/boiling range: Not determined	Flammability (solid, gas): Not determined
Solubility in H₂O: Soluble	Explosive limits: Not determined
Evaporation rate: Not determined	Auto ignition temp.: Not determined
Vapor pressure: Not determined	Decomposition temp.: Not determined

10. Stability and Reactivity

10.1 Reactivity: Non-reactive when used according to specifications
10.2 Stability: Stable
10.3 Possibility of Hazardous Reactions: None under normal processing
10.4 Conditions to avoid: Avoid high heat, flames and sparks as a precaution.
10.5 Incompatible Materials: Product is normally unreactive.
10.6 Hazardous Decomposition Products: Burning can produce soot, carbon dioxide, carbon monoxide and other oxides.
Hazardous Polymerization: Will not occur

11. Toxicological Information

This product has not undergone animal lab testing to determine toxicity. Specific test data for the mixture is not available. Toxicological data for primary ingredient(s):

11.1 Information on toxicological effects

Product	Species	Test Results
(2-methoxymethylethoxy) propanol (CAS #34590-94-8)		
Acute: Ingestion LD50	Rat	>5000 mg/kg
Dermal LD50	Rabbit	>9510 mg/kg
Inhalation LC50	Rat	3.35 mg/l (7h)

Information on Likely Routes of Exposure and Toxicological Effects

Skin contact: Prolonged or repeated contact may lead to skin irritation by dermatitis.
Inhalation: Inhalation of mist or may be irritating.
Eye contact: Product may be irritating to the eyes causing swelling, tearing and redness.
Ingestion: Ingestion of product may cause nausea, vomiting and diarrhea.

Numerical measures of toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 1,209 mg/kg
ATEmix (dermal): 8,056 mg/kg
ATEmix (inhalation-vapors): 63.9 mg/l

12. Ecological Information

There is no ecotoxicity data available for this product. Biodegradability of this product has not been tested. Keep product out of sewage and drainage systems and all bodies of water as the toxicity of this material to aquatic organisms has not been evaluated.

12.1 Toxicity: No data available
12.2 Persistence and degradability: No data available
12.3 Bioaccumulative potential: No data available
12.4 Mobility in soil: No data available
12.5 Results of PBT and vPvB assessment: No data available
12.6 Other adverse effects: No data available

13. Disposal Considerations

13.1 Waste treatment methods: Dispose of product as used oil at designated sites. Minimize skin contact. Product packaging may be recycled or disposed at a designated facility. Empty container may contain residues. Do not attempt to clean or refill containers. European Waste Code: 13 08 99; Note: these codes are assigned based upon the most common uses for this material and may not reflect contaminants from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).



Methods of Disposal: Dispose of all waste in accordance with appropriate international, federal, state and local environmental control regulations.

Recommendations: Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. Empty containers should be recycled by a licensed facility or taken to an appropriate waste facility for disposal.

14. Transport Information

14.1 UN Number: UN1993

14.2 Proper shipping name/Technical name: Combustible liquid, n.o.s.

14.3 Transport hazard class(es): Not applicable

DOT/ADR/RID (Road/Rail Transport): This product is classified as a combustible liquid by DOT regulations.

IMDG/IMO Classification (Sea Transport): This product is not regulated by IMDG/IMO.

ICAO/IATA Classification (Air Transport): This product is not regulated by ICAO/IATA.

14.4 Packaging group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Consult IMO regulations before transporting ocean bulk.

15. Regulatory Information

15.1 Safety, health, and environmental regulations/legislation specific for the substance/mixture

US Regulations: This product is classified as an irritant and a combustible liquid, a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

State Regulations: California: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

EU Regulations: The preparation is classified as dangerous; an irritant preparation; according to Directive REACH (EC) No. 1907/2006 and its amendment CLP (EC) No. 1272/2008.

Safety Phrase(s): S1/2: Keep locked up and out of the reach of children.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S61: Avoid release to the environment.

15.2 Chemical safety assessment: Not applicable

16. Other Information

Full text of R-phrases, if any, with number appearing in section 3:

- R22: Harmful if swallowed.
- R36/38: Irritating to eyes and skin.
- R41: Risk of serious damages to eyes.
- Xi: Irritant
- Xn: Harmful

NFPA Rating

Health: 1
Flammability: 2
Instability: 0
Hazards: None

HMIS III Rating

Health: 1
Flammability: 2
Physical Hazard: 0
PPE: B

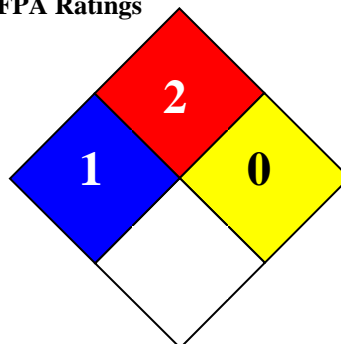
Hazard Rating Legend

- 0: Minimal Hazard
- 1: Slight Hazard
- 2: Moderate Hazard Special
- 3: Serious Hazard
- 4: Severe Hazard

HMIS III Ratings

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PROTECTIVE EQUIPMENT	B

NFPA Ratings



SDS: Formula ACC Lane Cleaner

SDS Revision Level: 3.5

SDS Revision Date: 6 September 2017

Revision Reason(s): Updated emergency contact information

Notice to Reader: Health and safety information presented on this form is generally applicable for recommended usage of this product. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.