



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

- 1.1 Product Name:** Tuffy Cleaner
- 1.2 Chemical Name:**
- 1.3 Part Number:** 294006008
- 1.4 Relevant identified Uses:** 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**  
**Corrosive** Serious eye damage, category 1  
**Irritant** Skin irritation, category 2  
**Flammable** Flammable liquids, category 3



**2.3 Label Elements**

**2.3.1 Pictogram(s)/Symbol(s):** GHS05, GHS07, GHS02

**2.3.2 Signal Word:** DANGER

- 2.3 Hazard statements:** Flammable liquid and vapor  
Causes skin irritation  
Causes serious eye damage

**2.4 Precautionary Statements:**

If medical advice is needed, have product container or label at hand  
Keep out of reach of children  
Read label before use  
Wash skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep away from heat/sparks/open flames/hot surfaces. No smoking  
Use explosion-proof electrical/ventilating/light/equipment  
Ground/bond container and receiving equipment  
Keep container tightly closed  
Use only non-sparking tools  
Take precautionary measures against static discharge



Take precautionary measures against static discharge

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Specific treatment (see supplemental first aid instructions on this label)

Take off contaminated clothing and wash before reuse

If skin irritation occurs: Get medical advice/attention

IF ON SKIN: Wash with soap and water

In case of fire: Use agents recommended in section 5 for extinction

Store in a well ventilated place. Keep cool

Dispose of contents and container to an approved waste disposal plant

2.5 Other Non-GHS Classification

WHMIS: D2B B3

NFPA:

HMIS: 

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

3. Composition / Information on Ingredients

3.1 Ingredients

CAS Number	Ingredients	
CAS 68439-46-3	Alcohols, C9-11, ethoxylated	3 %
CAS 10213-79-3	Sodium Silicate	1 %
CAS 67-63-0	Isopropanol	1 %

Percentages are by weight

4. First Aid Measures

4.1 Description of first aid measures

**After Inhalation:** Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear..

**After Skin Contact:** Wash Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

**After Eye Contact:** Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek immediate medical attention.

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

4.2 Most important symptoms and effects, both acute and delayed

Serious eye damage. Irritation. Headache. Nausea. Shortness of breath.

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 water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents:**

### 5.2 Specific hazards arising from chemical:

Thermal decomposition can lead to release of irritating gases and vapors.

### 5.3 Advice for firefighters

#### 5.3.1 Protective equipment:

Promptly Wear protective eyewear, gloves, and clothing. Refer to Section 8.

Use NIOSH-approved respiratory protection/breathing apparatus.

#### 5.3.2 Additional information (precautions):

Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

## 6. Accidental Release Measures

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

Ensure adequate ventilation. Ensure that air-handling systems are operational.

### 6.2 Environmental precautions:

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

### 6.3 Methods and material for containment and cleaning up:

Always obey local regulations. Containerize for disposal. Refer to Section 13.

Wear protective eyewear, gloves, and clothing. Refer to Section 8. If necessary use trained response staff or contractor. Evacuate personnel to safe areas.

### 6.4 Reference to other sections:

## 7. Handling and Storage

### 7.1 Safe Handling Precautions

**Protective measures**

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.

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

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Keep container tightly sealed. Store away from incompatible materials.



8. Exposure Controls / Personal Protection



8.1 Control Parameters:

Ingredient	ACGIH TLV	NIOSH REL	OSHA PEL
67-63-0, Isopropanol	200 ppm (ST) 400 ppm	400 ppm (ST) 500 ppm	400 ppm/980 mg/m3

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: Not required under normal conditions of use. 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.

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 at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

9. Physical and Chemical Properties

**Appearance:** Liquid  
**Odor:** Mild  
**Odor threshold:** Not determined  
**pH-value:** 12.8  
**Melting/freezing point:** Not determined  
**Initial boiling point/boiling range:** Not determined  
**Flash Point:** Not determined  
**Evaporation rate:** Not determined  
**Flammability (solid, gas):** Not determined  
**Density:** Not determined

**Upper/lower explosive limits:** Not determined  
**Vapor pressure:** Not determined  
**Vapor density:** > 1  
**Relative density:** Not determined  
**Solubility:** Water Soluble  
**Partition coefficient (N-octanol/water):** Not determined  
**Auto-ignition temperature:** Not determined  
**Decomposition temperature:** Not determined  
**Viscosity:** a. Kinematic: Not determined  
b. Dynamic: Not determined



## 10. Stability and Reactivity

- 10.1 Reactivity:** Nonreactive under normal conditions
- 10.2 Chemical stability:** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** None under normal processing.
- 10.4 Conditions to avoid:** Incompatible materials.
- 10.5 Incompatible materials:** No specific data
- 10.6 Hazardous decomposition products:**

## 11. Toxicological Information

- 11.1 Acute Toxicity:** No additional information
- 11.2 Chronic Toxicity:** No additional information
- 11.3 Corrosion Irritation:** No additional information
- 11.4 Sensitization:** No additional information
- 11.5 Single Target Organ (STOT):** No additional information
- 11.6 Numerical Measures:** No additional information
- 11.7 Carcinogenicity:** No additional information
- 11.8 Mutagenicity:** No additional information
- 11.9 Reproductive Toxicity:** No additional information

## 12. Ecological Information

- 12.1 Ecotoxicity Persistence and degradability:** Readily biodegradable based on component information.
- 12.2 Bioaccumulative potential:** No information available
- 12.3 Mobility in soil:** No information available
- 12.4 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. Product or containers must not be disposed with household garbage. 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.



## 14. Transport Information

**DOT classification:** Exempt Combustible Liquid via ground transportation per 49 CFR 173.150(f)

**UN-Number:** 1993

**UN proper shipping name:** COMBUSTIBLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL)

**Transport hazard class:** 3 Flammable liquids

**Packing group:** III

**Environmental hazard:**

**Transport in bulk:**

**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):** 67-63-0 Isopropanol

**RCRA (hazardous waste code):** None of the ingredients is listed

**TSCA (Toxic Substances Control Act):** All ingredients are listed

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**  
None of the ingredients is listed

### 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

**Canadian NPRI Ingredient Disclosure list (limit 0.1%):** None of the ingredients is listed

**Canadian NPRI Ingredient Disclosure list (limit 1%):** 67-63-0 Isopropanol



## 16. Other Information

### 16.1 GHS Full Text Phrases:

### 16.2 Abbreviations and acronyms:

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**GHS:** Globally Harmonized System of Classification and Labelling of Chemicals

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

**NFPA:** National Fire Protection Association (USA)

**HMIS:** Hazardous Materials Identification System (USA)

**WHMIS:** Workplace Hazardous Materials Information System (Canada)

**DNEL:** Derived No-Effect Level (REACH)

**PNEC:** Predicted No-Effect Concentration (REACH)

**CFR:** Code of Federal Regulations (USA)

**SARA:** Superfund Amendments and Reauthorization Act (USA)

**RCRA:** Resource Conservation and Recovery Act (USA)

**TSCA:** Toxic Substances Control Act (USA)

**NPRI:** National Pollutant Release Inventory (Canada)

**DOT:** US Department of Transportation

### 16.3 SDS: Tuffy Cleaner

**16.4 Product ID:** 294006008

**16.5 SDS Revision Level:** 2.0

**16.6 SDS Revision Date:** 25 September 2017

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

**16.8 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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