Alcohol Wipes

Version 1.1       Revision Date:09/03/2019

SECTION 1. IDENTIFICATION

product name: Alcohol Wipes
Product Code QY-0825
Manufacturer or supplier's details
Company name of supplier: EOM Global LLC
Address: 351 Spook Rock RD
Suffern, NY 10901
Emergency telephone number 845-352-6100
Contact Person: Motty Sharf

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Flammable Solid : Category 2
Eye irritation : Category 2A

GHS label elements

Hazard pictograms

Signal word : Warning

Hazard statements : H228 Flammable solids
: H319 Causes serious eye irritation.

Hazard symbols : F, Xi

Risk phrases: : R11-Highly flammable
: R36-Irritating to eyes
Eye contact: Not expected to present a hazard to the eyes under normal conditions of use but direct contact of the impregnating fluid with the eyes would cause irritation.

Inhalation: Not considered to present an inhalation hazard under normal conditions of use.

Other hazards: None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%) V/V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>&gt;= 70 - &lt; 80</td>
</tr>
<tr>
<td>Aqua</td>
<td>7732-18-5</td>
<td>&gt;= 20 - &lt; 30</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.

If inhaled: If inhaled, remove to fresh air.

In case of skin contact: Wash with water and soap as a precaution.

In case of eye contact: In case of contact, immediately flush eyes with plenty of water or at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.

If swallowed: If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.

Most important symptoms and effects, both acute and delayed: Causes serious eye irritation.

Protection of first-aiders: First Aid responders should pay attention to self-protection and use the recommended protective clothing.
SAFETY DATA SHEET

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. May form explosive mixtures in air. Exposure to decomposition products may be a hazard to health. Carbon oxides

Hazardous combustion products: Carbon oxides

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental precautions: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and: Non-sparking tools should be used.
cleaning up

Soak up with inert absorbent material. Suppress(knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: For personal protection see section 8. Keep away from heat and flame. Use with local exhaust ventilation. Avoid contact with eyes.

Conditions for safe storage: Take measures to prevent the build up of electrostatic charge. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with the particular national regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type</th>
<th>Form of exposure</th>
<th>Control parameters /Permissible</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>TWA</td>
<td></td>
<td>1,000 ppm 1,900 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,900 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required

Eye protection: Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: No special measures necessary provided product is used
Protective measures: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid
Colour: Clear
Odour: Alcohol-like
Odour Threshold: No data available
pH: 5.0 – 7.0, (20 °C)
Melting point/freezing point: No data available
Initial boiling point and boiling range: Approximately 75.00 °C
Flash point: Approximately 21.00 °C
Evaporation rate: No data available
Flammability (solid, gas): Not applicable
Flammability (liquids): No data available
Liquid Density: Approximately 0.8722 g/cm3
Solubility(ies): Soluble
Water solubility: Not applicable
Partition coefficient: n-octanol/water: Not applicable
Auto-ignition temperature: No data available
Explosive properties: Not explosive
Oxidizing properties: The products is not classified in oxidizing substance and organic peroxides.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Vapours may form explosive mixture with air.
### SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Conditions to avoid</th>
<th>Heat, flames and sparks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatible materials</td>
<td>Strong oxidizing agents</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>No hazardous decomposition products are known.</td>
</tr>
</tbody>
</table>

### SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**
- **Inhalation**
- **Eye contact**
- **Skin contact**

**Acute toxicity**
Not classified based on available information.

**Components:**
- **Ethyl Alcohol**

<table>
<thead>
<tr>
<th><strong>Acute oral toxicity</strong></th>
<th>LD50 (Rat): &gt; 5,000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute inhalation toxicity</strong></td>
<td>LC50 (Rat): 124.7 mg/l</td>
</tr>
<tr>
<td>Exposure time: 4 h</td>
<td></td>
</tr>
<tr>
<td>Test atmosphere: vapour</td>
<td></td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
Not classified based on available information.

**Components:**
- **Ethyl Alcohol:**
  - **Species:** Rabbit
  - **Method:** OECD Test Guideline 404
  - **Result:** No skin irritation

**Components:**
- **Ethyl Alcohol:**
  - **Species:** Rabbit
  - **Result:** Irritation to eyes, reversing within 21 days
  - **Method:** OECD Test Guideline 405

**Components:**
- **Ethyl Alcohol:**
  - **Test Type:** Local lymph node assay (LLNA)
  - **Exposure routes:** Skin contact
  - **Species:** Mouse
  - **Result:** negative

**Components:**
- **Ethyl Alcohol:** Genotoxicity in vitro
  - **Test Type:** In vitro mammalian cell gene mutation test
  - **Result:** negative
SAFETY DATA SHEET

Genotoxicity in vivo:
Test Type: Rodent dominant lethal test (germ cell) (in vivo)
Test species: Mouse Application Route: Ingestion Result: negative

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Components:

Ethyl Alcohol:
Toxicity to fish mg/l: LC50 (Pimephales promelas (fathead minnow)): > 1,000
Exposure time: 96 h
Toxicity to algae: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
NOEC (Daphnia magna (Water flea)): 9.6 mg/l
Exposure time: 9 d
Toxicity to bacteria: EC50 (Photobacterium phosphoreum): 32.1 mg/l
Exposure time: 0.25 h

Ethyl Alcohol:
Biodegradability: Exposure time: 20 d
Isopropyl Alcohol: Result: rapidly degradable

Remarks
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues: Dispose of in accordance with local regulations.
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.
SECTION 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Lables Required</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZCHEM</td>
<td>1Z</td>
</tr>
<tr>
<td>Land transport (ADR)</td>
<td></td>
</tr>
<tr>
<td>UN/ID No.</td>
<td>UN 3175</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Class 4.1</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Environmental hazard</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Air transport (ICAO-IATA / DGR)</td>
<td></td>
</tr>
<tr>
<td>UN/ID No.</td>
<td>UN 3175</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Sea transport (IMDG-Code / GGVSee)</td>
<td></td>
</tr>
<tr>
<td>UN number</td>
<td>UN 3175</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Solids containing flammable liquid, n.o.s. *</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
</tbody>
</table>

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

Clean Air Act
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):
Ethyl Alcohol 64-17-5 75 %

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.
Clean Water Act
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
US State Regulations
Massachusetts Right To Know

SECTION 16. OTHER INFORMATION

Further information NFPA:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

Revision Date: 09/03/2019
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