

STARKOTE AQ-506A-1

Version 1.5

Revision Date 08/29/2018

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SECTION 1. IDENTIFICATION

Product name : STARKOTE AQ-506A-1

Product Use Description : AQUEOUS NON-CURL UNCOATED OFFSET STOCK ONLY

Manufacturer or supplier's detailsCompany : ACTEGA North America, Inc.
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Telephone : (856) 829-6300

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Visit our web site : www.actega.com

Emergency telephone number : Chemtrec Phone: 1-800-424-9300 / +1 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Skin irritation : Category 2

Eye irritation : Category 2A

Specific target organ toxicity
- repeated exposure : Category 2 (Kidney)**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs (Kidney) through prolonged or repeated exposure.Precautionary statements : **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P314 Get medical advice/ attention if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 5 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

Component	CAS-No.	Concentration (%)
Ethylene glycol	107-21-1	>= 5 - < 10

SECTION 4. FIRST AID MEASURES

- General advice** : Get medical attention immediately if symptoms occur.
Treat symptomatically.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled** : If inhaled, remove to fresh air.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.
- If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact** : Remove contaminated clothing. Wash thoroughly with soap and water for at least 20 min. or until material is removed.
Wash contaminated clothing before re-use.
Get medical attention if irritation develops and persists.
- If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact** : If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical advice.

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- Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.
Gently wipe or rinse the inside of the mouth with water.
Obtain medical attention.
- Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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.
- Further information : Use water spray to cool unopened containers.
- Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
- Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Use personal protective equipment.
- : Use personal protective equipment.
- Environmental precautions : Prevent spilled material from entering the ground, water

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and/or air by using appropriate containment methods.

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for
containment and cleaning up

: Soak up with inert absorbent material.

Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling

: Use only in accordance with our recommendations.

Do not breathe vapours/dust.

Avoid contact with skin and eyes.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the
application area.

Dispose of rinse water in accordance with local and national
regulations.

Conditions for safe storage

: Keep container tightly closed in a dry and well-ventilated
place.

Keep container tightly closed in a dry and well-ventilated
place.

Electrical installations / working materials must comply with
the technological safety standards.

Materials to avoid

: Keep away from oxidizing agents and strongly acid or alkaline
materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethylene glycol	107-21-1	C (Aerosol only)	100 mg/m ³	ACGIH
		C (Vapour)	40 ppm 100 mg/m ³	CAL PEL

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Engineering measures	: Handle only in a place equipped with local exhaust (or other appropriate exhaust).
Personal protective equipment	
Hand protection	
Material	: Impervious gloves
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Safety glasses with side-shields Safety goggles Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: Long sleeved clothing Chemical resistant apron Lightweight protective clothing Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Protective measures	: 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. Wash hands before eating, drinking, or smoking. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aqueous solution
Colour	: white
Odour	: acrylic-like
Odour Threshold	: No data available
pH	: 8 - 9.4
Melting point/range	: No data available

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Initial boiling point	: > 200.1 °F (> 93.4 °C)
Vapour pressure	: No data available
Flash point	: > 200.1 °F (> 93.4 °C)
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Relative vapour density	: No data available
Relative Density/Specific Gravity	: 1.044 (68 °F (20 °C))
Density	: 8.70 lb/gal
Bulk density	: No data available
Solubility(ies) Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Auto-ignition temperature	No data available
Thermal decomposition	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Nitrogen oxides (NOx)
Viscosity Viscosity, kinematic	: > 21 mm ² /s (104 °F (40 °C))

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.

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Possibility of hazardous reactions	: Acids and bases
	No decomposition if stored and applied as directed.
Conditions to avoid	: Keep away from open flames, hot surfaces and sources of ignition.
	No data available
Hazardous decomposition products	: Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Eyes
Skin contact
Inhalation

Acute toxicity**Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Components:**107-21-1 Ethylene glycol:**

Acute oral toxicity : 1,650 mg/kg

Acute inhalation toxicity : LC50 (Mouse): > 200 mg/l
Exposure time: 2.00 h

Acute dermal toxicity : LD50 (Rabbit): 9.53 mg/kg

Skin corrosion/irritation**Product:**

Remarks: No data available

Remarks: May cause skin irritation in susceptible persons.

Components:**107-21-1 Ethylene glycol:**

Species: Rabbit
Exposure time: 1.00 h
Result: Mild skin irritation

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Serious eye damage/eye irritation**Product:**

Remarks: No data available

Remarks: May cause irreversible eye damage.

Components:**107-21-1 Ethylene glycol:**

Species: Rabbit

Result: Moderate eye irritation

Method: Draize Test

Respiratory or skin sensitisation**Product:**

Remarks: No data available

Carcinogenicity**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Repeated dose toxicity**Product:**

Remarks: No data available

Further information**Product:**

Remarks: No data available

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

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Toxicity to fish :
Remarks: No data available

Toxicity to daphnia and other :
aquatic invertebrates Remarks: No data available

Persistence and degradability**Product:**

Biodegradability : Remarks: No data available

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of
Stratospheric Ozone - CAA Section 602 Class I Substances

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).

Additional ecological : No data available
information

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with applicable local/municipal,
state/provincial and federal regulations.
The hazard and precautionary statements displayed on the
label also apply to any residues left in the container.
Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Do not re-use empty containers.

Empty remaining contents.

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Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 - Emergency Release Notification

This material does not contain any components with a section 304 EHS RQ.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

This material does not contain any components with a SARA 302 RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

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Ethylene glycol	107-21-1	8.6 %
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Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Ethylene glycol	107-21-1	8.6 %
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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 SOCM Intermediate or Final VOC's (40 CFR 60.489):

Ethylene glycol	107-21-1	8.6 %
Polypropylene glycol	25322-69-4	1.6 %
Propanol, oxybis-	25265-71-8	1.0 %

Massachusetts Right To Know

Ethylene glycol	107-21-1
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Pennsylvania Right To Know


Water	7732-18-5
Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt	Not Assigned
Ethylene glycol	107-21-1
Inextricably Bound Solid	Not Assigned
Acrylic Copolymer	Not Assigned
Acrylic Resin	Not Assigned
Propanol, oxybis-	25265-71-8
Ammonia hydroxide	1336-21-6
Diammonium zinc biscarbonate	40861-29-8

New Jersey Right To Know

Water	7732-18-5
Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt	Not Assigned
Ethylene glycol	107-21-1
Inextricably Bound Solid	Not Assigned
Acrylic Copolymer	Not Assigned

New Jersey Trade Secret :
Registry Number for the
product (NJ TSRN)

California Prop. 65

 **WARNING:** This product can expose you to chemicals including alpha-methylstyrene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

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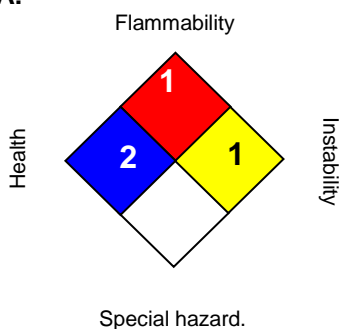
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LISTED

: Listed

SECTION 16. OTHER INFORMATION**Further information****NFPA:****HMIS III:**

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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