

Material Safety Data Sheet

**STARKOTE AQ-81-2**

Version 1.1

Revision Date 02/05/2013

Print Date 02/05/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : STARKOTE AQ-81-2

Product Use Description : AQUEOUS GLOSS COATING

Company : ACTEGA Kelstar
1050 Taylors Lane
Cinnaminson NJ 08077

Telephone : (856) 829-6300

Telefax : (856) 829-1944

Emergency telephone number : Chemtrec Phone: (800) 424-9300

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview****Caution**

Hazard Summary	: Irritating to eyes, respiratory system and skin.
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OSHA Hazards	: THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.
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Form: Aqueous solution
Colour: off-white
Odour: ammoniacal

Potential Health Effects

Primary Routes of Entry : Eyes
Skin contact
Inhalation

Aggravated Medical Condition : None expected

Inhalation : May cause irritation of the mucous membranes.

Skin : May cause skin irritation.

Eyes : Causes eye irritation.

Ingestion : May be harmful if swallowed.

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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 identified as a carcinogen or potential carcinogen by OSHA.
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.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous components

Component	CAS-No.	Weight percent
Wax	-	1.00 - 5.00

SECTION 4. FIRST AID MEASURES
First aid procedures

General advice	: Get medical attention immediately if symptoms occur. Treat symptomatically.
If inhaled	: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
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.
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.
If swallowed	: Do NOT induce vomiting. Gently wipe or rinse the inside of the mouth with water. Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES
Flammable properties

Flash point	: > 200.1 °F (> 93.4 °C)
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Fire fighting

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Use water spray to cool unopened containers.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.

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 : Ensure adequate ventilation.
Use personal protective equipment.

Environmental precautions : Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

Methods for containment / : Soak up with inert absorbent material.

Methods for cleaning up

Additional advice : Dispose of promptly.

SECTION 7. HANDLING AND STORAGE
Handling

Handling : Use only in accordance with our recommendations.

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Further information on storage conditions : Store between 4°C - 37°C (40°F – 100°F)

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

Other data : Stable under normal conditions.

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

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Components	CAS-No.	Value	Control parameters	Update	Basis
Wax	-	TWA	2 mg/m ³	2007-01-01	ACGIH
		TWA	2 mg/m ³	2005-09-01	NIOSH REL

Engineering measures

Engineering measures : Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Eye protection : Safety glasses with side-shields
Safety goggles

Hand protection : Impervious gloves

Skin and body protection : Long sleeved clothing
Chemical resistant apron
Lightweight protective clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before eating, drinking, or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance

Form : Aqueous solution

Colour : off-white

Odour : ammoniacal

Safety data

Flash point : > 200.1 °F (> 93.4 °C)

Thermal decomposition : Remarks :Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke),, nitrogen oxides (NOx)

Initial boiling point : > 212 °F (> 100 °C)

Density : 8.70 lb/gal

Relative vapor density /
Specific Gravity : 1.044
at 77 °F (25 °C)

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VOC : Weight percent : 1.51 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.

Hazardous decomposition products : Stable under recommended storage conditions.

Hazardous reactions : Acids and bases

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : no data available

Acute oral toxicity (Component) : Component: - Wax
LD50 rat
Dose: > 2,000 mg/kg

Acute dermal toxicity (Component) : Component: - Wax
LD50
no data available

Acute inhalation toxicity (Component) : Component: - Wax
LC50
no data available

Skin irritation (Product) : no data available

Eye irritation (Product) : no data available

Sensitisation (Product) : no data available

Further information (Product) : no data available

SECTION 12. ECOLOGICAL INFORMATION

Biodegradability (Product) : no data available

Bioaccumulation (Product) : no data available

Toxicity to fish (Product) : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : 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.

Contaminated packaging : Do not re-use empty containers.

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SECTION 14. TRANSPORT INFORMATION**DOT**

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

HMIS Classification : Health hazard: 2
Flammability: 1
Physical and chemical hazards: 0
Reactivity: 0
PPI: Safety Glasses, Gloves, Apron

National Fire Protection Association (NFPA) Class : IIIB

OSHA Hazards : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Emergency Planning Community Right-To-Know (EPCRA)

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

If listed below, this product contains 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.

SARA 311/312 Hazards : Acute Health Hazard

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

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

Toxic Substances Control Act (TSCA)

LISTED : Listed

Clean Air Act & Related Information

VOC : 1.51 %

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Non-volatile information is not a specification.

Hazardous Air Pollutants

If not listed above, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage.

Resource Conservation and Recovery Act
State Laws

Massachusetts Right To Know Components	: Wax	-
Pennsylvania Right To Know Components	: Water	7732-18-5
	Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt	
	Acrylic Resin	
	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate	9010-88-2
	Wax	-
	SURFACTANT	
	Isopropanol	67-63-0
	Ammonia hydroxide	1336-21-6
	Sodium hydroxide	1310-73-2
	Zinc compounds	1314-13-2
New Jersey Right To Know Components	: Water	7732-18-5
	Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt	
	Acrylic Resin	
	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate	9010-88-2
	Wax	-
New Jersey Trade Secret Registry Number for the product (NJ TSRN)	:	
California Prop. 65 Components	: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	

Canadian Environmental Protection Act

Domestic Substances List

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WHMIS Classification : D2B
Moderate eye irritant
Moderate skin irritant
Moderate respiratory irritant

SECTION 16. OTHER INFORMATION**Further information**

DISCLAIMER: The information in this document is believed to be correct as of the date issued. However, no warranty expressed or implied has been made regarding the accuracy or completeness of this information. The information presented in this data sheet represents a compilation of information generated from our suppliers and other recognized sources of scientific evidence and chemical information. Since the conditions of handling and use of this material are beyond our control, ACTEGA Kelstar, Inc. shall not be liable for any injury, loss, or damage direct, incidental or consequential, arising out of the use or inability to use this product. The seller and / or manufacturer's only obligations shall be to replace the product if it is defective, and shall not be liable for more than the cost of the product. Before using, the user shall determine the suitability of the product for its intended use, and assumes all risk and liability whatsoever in connections with the use of said product. The foregoing warranties are in lieu of all other warranties, written, oral, expressed, or implied. No other warranty is made concerning the suitability of this product. The foregoing warranties may not be altered except by an agreement signed by the officers of the seller and / or manufacturer.