

Material Safety Data Sheet



STARKOTE AQ-534-3

Version 1.2

Revision Date 07/23/2013

Print Date 07/23/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : STARKOTE AQ-534-3
Product Use Description : AQUEOUS MATTE COATING
Company : ACTEGA Kelstar
1050 Taylors Lane
Cinnaminson NJ 08077
Telephone : (856) 829-6300
Telefax : (856) 829-1944
Emergency telephone : Chemtrec Phone: 1-800-424-9300 / +1 703-527-3887
number

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

Hazard Summary : Irritating to eyes, respiratory system and skin.

OSHA Hazards : THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

Form: Aqueous solution
Colour: 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	-	5.00 - 10.00
Silicon dioxide	7631-86-9	1.00 - 5.00
Amine Salt of Modified Acrylic Copolymer		1.00 - 5.00
Unsaturated fatty acids	-	1.00 - 5.00
Polypropylene glycol	25322-69-4	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.

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SECTION 5. FIREFIGHTING MEASURES**Flammable properties**

Flash point : > 200.1 °F (> 93.4 °C)

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 MEASURESPersonal 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.

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Other data : Stable under normal conditions.

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

Components	CAS-No.	Value	Control parameters	Update	Basis
Proprietary Defoamer	-	TWA	5 mg/m ³		ACGIH
		STEL	10 mg/m ³		ACGIH
		TWA	5 mg/m ³		OSHA Z-1
		TWA	5 mg/m ³		OSHA Z-1

Components with workplace control parameters

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
Silicon dioxide	7631-86-9	TWA	6 mg/m ³	1989-01-19	OSHA P0
		TWA	20 Million particles per cubic foot	2010-07-01	OSHA Z-3
		TWA	80 mg/m ³ / %SiO ₂	2010-07-01	OSHA Z-3
Polypropylene glycol	25322-69-4	TWA	10 mg/m ³	2008-01-01	US WEEL

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

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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 : 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)
 pH : 8 - 9.4
 Initial boiling point : > 212 °F (> 100 °C)
 Density : 8.70 lb/gal
 Relative vapour density / Specific Gravity : 1.044 at 77 °F (25 °C)
 VOC : Weight percent : 2.20 %

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
 Component: - Unsaturated fatty acids
 LD50
 no data available
 Acute dermal toxicity : Component: - Wax

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(Component)	LD50 no data available
	Component: - Unsaturated fatty acids LD50 no data available
Acute inhalation toxicity (Component)	: Component: - Wax LC50 no data available
	Component: - Unsaturated fatty acids LC50 no data available
Skin irritation (Product)	: no data available
Skin irritation (Component)	: Component: - Unsaturated fatty acids rabbit Result: slight irritation
Eye irritation (Product)	: no data available
Eye irritation(Component)	: Component: - Unsaturated fatty acids rabbit Result: Mild eye irritation
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.

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

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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

CERCLA Reportable Quantity : Calculated RQ exceeds reasonably attainable upper limit.

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 : 2.20 %

Non-volatile information is not a specification.

Hazardous Air Pollutants

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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 -
 Silicon dioxide 7631-86-9

Pennsylvania Right To Know Components : Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt
 Water 7732-18-5
 Wax -
 Acrylic Resin
 Silicon dioxide 7631-86-9
 Zinc compounds 1314-13-2
 Sodium hydroxide 1310-73-2
 Isopropanol 67-63-0
 Ammonia hydroxide 1336-21-6
 sodium sulphate 7757-82-6

New Jersey Right To Know Components : Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt
 Water 7732-18-5
 Wax -
 Acrylic Resin
 Silicon dioxide 7631-86-9

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

Canadian Environmental Protection Act

Domestic Substances List

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

SECTION 16. OTHER INFORMATION

Further information

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