

SAFETY DATA SHEET

Gans Ink Company Item IDs: S-1867. S-1867D



STARKOTE AQ-490-2

Version 1.2

Revision Date 05/21/2015

Print Date 06/02/2015

SECTION 1. IDENTIFICATION

Product name : STARKOTE AQ-490-2

Product Use Description : AQUEOUS SATIN COATING HOT SCUFF & HEAT RESISTANT

Manufacturer or supplier's details

Company : ACTEGA Kelstar
1050 Taylors Lane
Cinnaminson, NJ 08077

Telephone : (800) 255-0021

Telefax : (856) 786-2860

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

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 1 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration (%)
2-Furanmethanol, tetrahydro	97-99-4	>= 1 - < 5
Ethanol, 2-propoxy-	2807-30-9	>= 1 - < 5
Silica, amorphous	7631-86-9	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

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.

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- 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

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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.
- 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 : 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 and materials for containment and cleaning up : Soak up with inert absorbent material.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Use only in accordance with our recommendations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
- Materials to avoid : Keep away from oxidising agents and strongly acid or alkaline

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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
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
2-Furanmethanol, tetrahydro	97-99-4	TWA	0.5 ppm	US WEEL
Silica, amorphous	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA Z-3
		TWA	6 mg/m ³ (Silica)	NIOSH REL

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

Personal protective equipment
Hand protection

Material : Impervious gloves

Eye protection

: Safety glasses with side-shields
Safety goggles

Skin and body protection

: Long sleeved clothing
Chemical resistant apron
Lightweight protective clothing

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	: Aqueous solution
Colour	: white
Odour	: ammoniacal
Odour Threshold	: No data available
pH	: 8 - 9.4
	: No data available
Initial boiling point	: > 200.1 °F (> 93.4 °C)
Flash point	: > 200.1 °F (> 93.4 °C)
Evaporation rate	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 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
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))

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SECTION 10. STABILITY AND REACTIVITY

- Possibility of hazardous reactions : Acids and bases
- Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.
- 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 dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Components:**97-99-4 2-Furanmethanol, tetrahydro:**

Acute oral toxicity : LD50 (Rat): 1,600 mg/kg

Acute dermal toxicity : LD50 (Guinea pig): 5,000 mg/kg

7631-86-9 Silica, amorphous:

Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 58.8 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403
GLP: yes

Skin corrosion/irritation**Product:**

Remarks: No data available

Components:**7631-86-9 Silica, amorphous:**

Species: Rabbit

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Result: No skin irritation

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

Remarks: No data available

Components:**7631-86-9 Silica, amorphous:**

Species: Rabbit

Result: No eye irritation

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.

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.

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.

Repeated dose toxicity**Product:**

Remarks: No data available

Further information**Product:**

Remarks: No data available

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SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity
Product:

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).

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.

Contaminated packaging : Do not re-use empty containers.

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SECTION 14. TRANSPORT INFORMATION
International Regulation
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
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.

SARA 302 Extremely Hazardous Substances Reportable Quantity

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.

Ethanol, 2-propoxy-	2807-30-9	3.9 %
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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):

Ethanol, 2-propoxy-	2807-30-9	3.9 %
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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 I Intermediate or Final VOC's (40 CFR 60.489):

Ethanol, 2-propoxy-	2807-30-9	3.9 %
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VOC : 0.68 lb/gal
7.77 %

Non-volatile information is not a specification.

Massachusetts Right To Know

2-Furanmethanol, tetrahydro	97-99-4
Silica, amorphous	7631-86-9

Pennsylvania Right To Know

Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt	Not Assigned
2-Furanmethanol, tetrahydro	97-99-4
Ethanol, 2-propoxy-	2807-30-9
Silica, amorphous	7631-86-9

New Jersey Right To Know

Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt	Not Assigned
2-Furanmethanol, tetrahydro	97-99-4
Ethanol, 2-propoxy-	2807-30-9
Silica, amorphous	7631-86-9
SURFACTANT	Not Assigned

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

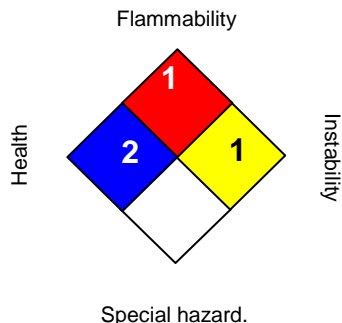
LISTED : Listed

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SECTION 16. OTHER INFORMATION
Further information
NFPA:

HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

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

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