

27109-2004

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 1

TRIANGLE COATINGS, INC.**SAFETY DATA SHEET****Section 1: Chemical Product and Company Identification**

PRODUCT NAME: **Black Tint Solution**
IDENTIFICATION NUMBER: AM214
PRODUCT USE/CLASS: Antiquing Solution

Date Printed: 10/27/2021

SUPPLIER:
Triangle Coatings, Inc.
4763 Bennett Drive
Livermore, CA 94551
+1-925-583-0800 (8:00am-5:00pm)

MANUFACTURER:
Triangle Coatings, Inc.
4763 Bennett Drive
Livermore, CA 94551
+1-925-583-0800 (8:00am-
5:00pm)

CHEMTREC 24HR EMERGENCY TELEPHONE
+1-800-424-9300 (USA/Canada)

PREPARER: nbk, PHONE: +1-925-583-0800,

Section 2: Hazards Identification**Classification of substance/mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319

GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Page 1 of 8

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 2

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 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.
 P330 Rinse mouth.
 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.
 P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

Rapidly absorbed through skin

Section 3: Composition, Information on Ingredients

Substance/mixture: Mixture

Product Name: **Black Tint Solution**

CAS-No.	Components	Weight Percent
7732-18-5	Water	50-75%
1344-09-8	Sodium Silicate	15-25%
1317-61-9	Black Iron Oxide	2.5-5%

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for noncarcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

Section 4: First Aid Measures

INHALATION: If inhaled and adverse effects occur, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or seek medical attention if you feel unwell.

SKIN CONTACT: If on skin, wash with plenty of water. If skin irritation occurs, get medical advice/attention.
SPECIFIC TREATMENT: Wash with lots of water. Take off contaminated clothing and wash before reuse.

EYE CONTACT: If in eyes, immediately rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

INGESTION: If swallowed, rinse mouth. Contact a Poison Center, or a doctor/physician, or get medical attention if you feel unwell.

Most Important Symptoms/Effects (Acute and Delayed) Solutions of sodium silicate are alkaline. Exposure to alkaline solutions may result in irritation to any contacted tissue, including possible burns, depending on the concentration, duration, and nature of the exposure. This material is not a crystalline silica, and it does not cause pulmonary silicosis.

Acute Symptoms/Effects: Listed below.

Inhalation (Breathing): Respiratory System Effects: Inhalation of this material may cause irritation, redness of upper and lower airways, coughing.

Skin: Skin Irritation. Skin exposure may cause irritation, redness, itching, swelling, burning sensation.

Eye: Eye Irritation: Eye exposure may cause severe irritation, and pain. The full extent of injury may not be immediately apparent.

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 3

Ingestion (Swallowing): Gastrointestinal System Effects: Exposure by ingestion may cause irritation, swelling, and perforation of upper and lower gastrointestinal tissues. Permanent scarring may occur.

Delayed Symptoms/Effects:

- Repeated and prolonged skin contact may cause a dermatitis

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: May aggravate preexisting conditions such as: Eye disorders that decrease tear production or have reduced integrity. Skin disorders that compromise the integrity of the skin such as: psoriasis, rashes, eczema, skin infections. Pulmonary disorders that compromise the integrity of the lungs such as asthma.

Protection of First Aiders: Avoid contact with skin and eyes. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Notes to Physician: Treat as a corrosive substance. Treat symptoms with supportive care. There is no specific antidote. The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. It may take 48-72 hours to assess the extent of an ocular burn. Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire-fighting Measures

Fire Hazard: Negligible fire hazard.

Extinguishing Media: Use media appropriate for surrounding fire.

Fire Fighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Sensitivity to Mechanical Impact:

Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Lower Flammability Level (air): Not flammable

Upper Flammability Level (air): Not flammable

Flash point: Not flammable

Auto-ignition Temperature: Not applicable

Section 6: Accidental Release Measures

Personal Precautions:

Avoid contact with skin and eyes. Avoid breathing fumes, vapor, mist, or spray. Dries to form glass film which can easily cut skin. Spilled material may cause a slipping hazard. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:

Flush spill area with water, if appropriate. Liquid material may be removed with a vacuum truck. Shovel dried residue into suitable container. Recycle or dispose according to regulations. See Section 13, Disposal considerations, for additional information.

Environmental Precautions:

This material is alkaline and may raise the pH of surface waters with low buffering capacity. Keep out of water

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 4

supplies and sewers. Releases should be reported, if required, to appropriate agencies.

Section 7: Handling and Storage

Precautions for Safe Handling:

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid breathing vapor, mist, or spray. Product shipped/handled hot can cause thermal burns. Use care when handling hot material. Do not eat, drink or smoke in areas where this material is used. Use appropriate personal protective equipment (PPE). See Section 8, Exposure Controls and Personal Protection, for additional information.

Safe Storage Conditions:

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Minimum temperature allowed during storage and transportation: 0 °C (32°F). Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to Avoid:

Can generate heat when mixed with acids, Avoid prolonged contact with alkali sensitive metals such as: aluminum, brass, bronze, copper, lead, tin, zinc because flammable hydrogen gas can be generated

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure limits are listed below, if they exist.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Carc.	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carc.	<u>OEL Note</u>
Sodium Silicate	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Black Iron Oxide	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.

Individual protection measures

Personal protective equipment

Eye/face protection: Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Skin protection

Hand protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Other protection: No precautions other than clean body-covering clothing should be needed.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 5

Appropriate Engineering Controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be enough for most operations. Local exhaust ventilation may be necessary for some operations.

Section 9: Physical and Chemical Properties

State of Matter:	Liquid
Color:	Clear to Opaque Black
Odor:	Odorless to Slight Odor
Odor Threshold:	No Data Available
pH:	Approx. 11.0-11.4
Freezing Point:	0 °C (32°F)
Boiling Point:	100 °C (212°F)
Flash Point:	No Data Available
Evaporation Rate:	> N-butyl acetate
Lower explosion limit:	No Data Available
Upper Explosion Limit:	No Data Available
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Density:	1.2413 g/cm ³
Relative Vapor Density:	No Data Available
Specific Gravity:	Approximately 1.247
Solubility in Water:	Soluble in water
Partition Coefficient: n-octanol/water:	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	No Data Available
Volatiles by wt. @ 20 °C	91.91%
VOC Content:	0g/l (0.0 lb./gal.)

Section 10: Stability and Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Possibility of hazardous reactions:	The product is stable.
Conditions to avoid:	Protect from freezing - product stability may be affected.
Incompatible materials:	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

Section 11: Toxicological Information

Information on toxicological effects Acute toxicity

Conclusion/Summary: There are no data available on the mixture itself.

Information on likely routes of exposure

Page 5 of 8

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 6

Product Information: No data available
Inhalation: No data available.
Eye contact: No data available.
Skin Contact: No data available.
Ingestion: No data available.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Silicate	1153 mg/kg (Rat)	4640 mg/kg (Rabbit)	N.E.
Black Iron Oxide	N.E.	N.E.	N.E.

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Chemical Name	IARC	NTP	OSHA Carcinogen
None of the ingredients are listed nor exempt			

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization: No information available.
Germ cell mutagenicity: No information available.
Carcinogenicity: No information available.
Reproductive toxicity: No information available.
STOT - single exposure: No information available.
STOT - repeated exposure: No information available.
Aspiration hazard: No information available.

Section 12: Ecological Information

Ecotoxicity: Not expected to be hazardous to the environment
Mobility in Soil: No data available.
Toxicity: No data available.
Other adverse effects: No data available
Bio-accumulative Potential: No chemical in this mixture is known to bioaccumulate
Persistence and Degradability: No data available

Component Information:

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea
Sodium Silicate	N.E.	N.E.	N.E.
Black Iron Oxide	N.E.	N.E.	N.E.

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 7

Section 13: Disposal Considerations

General information: The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods: Dispose of contents and containers in accordance with national and local regulations.

Section 14: Transportation Information

Land transport (DOT)

Proper Shipping Name: Not regulated for transport
 Other Information: Protect from freezing, when exposed to cold temperatures approaching 0 °C (32 °F) or below.

Sea transport (IMDG)

Proper Shipping Name: Not regulated for transport

Air transport (ICAO/IATA)

Proper Shipping Name: Not regulated for transport

Emergency Response Guide (ERG):

Not regulated for transport

Section 15: Regulatory Information

SARA 302 Components

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

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312.

HAPS (Hazardous Air Pollutants): This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40CFR 61).

U.S. State regulations

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

CAS	Chemical Name	% By Weight	CA P65	MA	NJ	PA
1344-09-8	Sodium Silicate	15-25%	No	No	No	No

Product: **AM214**

SDS Version 1.0

Preparation Date: 10/07/2021

Page 8

1317-61-9	Black Iron Oxide	2.5-5%	No	No	No	No
-----------	------------------	--------	----	----	----	----

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

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

Section 16: Other Information

This product is recommended only for use in industrial or trade (commercial) applications. It is not suitable for use in Do-It Yourself applications.

Revision date: October 7, 2021
 Version Number: 1.0
 Revision explanation: Original to conform to GHS
 Previous revision date: NA

Information Sources: OSHA 29CFR 1910.1200

NFPA RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

Hazardous Material Information System III (U.S.A.) :

HMIS Category	HMIS Rating	
Health *	1	Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program.
Flammability	0	
Physical hazards	0	
Personal Protective Equipment	C	

*If health rating is mark with *, it is a chronic health hazard

Triangle Coatings, Inc. assumes no legal responsibility for use of or reliance upon the information in this SDS and such information shall in no case be considered a part of our terms and conditions of sale. The user is responsible for determining whether the Triangle Coatings product is suitable for user's method of use or application. Triangle Coatings is not liable for any failure to observe the precautionary measures described in this SDS. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL TRIANGLE COATINGS, INC. BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet