

Safety Data Sheet



According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 29.05.2015

1.1. Product identifier				
				Artline Des
Product Name	: A	Artline 419 Grout Pen	Color : (White)	Restores Old & Discoloured Grout
		EK-419		
1.2. Recommended use	e of th	ne chemical and restrictions or) USE	MINT PEN
Recommended use				GROU
1.3. Details of the suppl				
Company Name Address Telephone Fax	: S : 2 : 1	Shachihata Inc. (U.S.A.) 20775 S. Western Ave., Suite 105 -800-541-9719 -800-541-7166	Torrance, CA 90501 U.S.A.	
Contact (e-mail)	: <u>c</u>	ustomerservice@xstamper.com		
1.4. Emergency telepho CHEMTREC 1-80 (For Hazardous	00-42		,Spill, leak, fire, exposure or acc	cident)
ECTION 2: Hazard(s) ia	lentification		
United States (US) :	Acc	ording to OSHA 29 CFR 1910.12	00 HCS 2012	
2.1.1 Classification of th				
			H225 : Highly flamm	able liquid and vanour
Flammable liquids, Cat				able liquid and vapour
Aspiration toxicity, Cate			-	if swallowed and enters airways
Skin corrosion / irritation			H315 : Causes skin	
Specific target organ to Hazardous to the aquat chronic toxicity, Cate	tic en		-	rowsiness or dizziness atic life with long lasting effects
2.1.2 Label elements Hazard pictograms	:			
Hazard pictograms	:	Danger		
		Danger Highly flammable liquid and va	pour	(H225)
Hazard pictograms Signal word		Highly flammable liquid and va		(H225) (H304)
Hazard pictograms Signal word		Highly flammable liquid and va May be fatal if swallowed and e		(H304)
Hazard pictograms Signal word		Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation	enters airways	(H304) (H315)
Hazard pictograms Signal word		Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi	enters airways ness	(H304) (H315) (H336)
Hazard pictograms Signal word		Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation	enters airways ness	(H304) (H315)
Hazard pictograms Signal word Hazard statement Precautionary stateme	:	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi	enters airways ness	(H304) (H315) (H336)
Hazard pictograms Signal word Hazard statement	:	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi	enters airways ness	(H304) (H315) (H336)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention]	: : ent	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi	enters airways ness asting effects	(H304) (H315) (H336)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention] Keep away from hea	: : ent	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la	enters airways ness asting effects	(H304) (H315) (H336) (H411)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention] Keep away from hea Take precautionary	: : at/spa meas	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la	enters airways ness asting effects lo smoking.	(H304) (H315) (H336) (H411) (P210)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention] Keep away from hea Take precautionary Wear protective glow	: : at/spa meas ves/pr	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la rks/open flames/hot surfaces N ures against static discharge. rotective clothing/eye protection/fa	enters airways ness asting effects lo smoking.	(H304) (H315) (H336) (H411) (P210) (P243)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention] Keep away from hea Take precautionary Wear protective glow Avoid breathing dus	: : at/spa meas ves/pr t/fume	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la rks/open flames/hot surfaces N ures against static discharge. otective clothing/eye protection/fa e/gas/mist/vapours/spray.	enters airways ness asting effects lo smoking.	(H304) (H315) (H336) (H411) (P210) (P243) (P280) (P261)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention] Keep away from hea Take precautionary Wear protective glov Avoid breathing dus Use only outdoors o	: : at/spa meas ves/pr t/fume or in a	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la rks/open flames/hot surfaces N ures against static discharge. otective clothing/eye protection/fa e/gas/mist/vapours/spray. well-ventilated area.	enters airways ness asting effects lo smoking.	(H304) (H315) (H336) (H411) (P210) (P243) (P280) (P261) (P271)
Hazard pictograms Signal word Hazard statement Precautionary statemen [Prevention] Keep away from hea Take precautionary Wear protective glow Avoid breathing dus Use only outdoors o Wash hands thoroug	: : at/spa meas ves/pr t/fume or in a ghly a	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la rks/open flames/hot surfaces N ures against static discharge. otective clothing/eye protection/fa e/gas/mist/vapours/spray. well-ventilated area. fter handling.	enters airways ness asting effects lo smoking.	(H304) (H315) (H336) (H411) (P210) (P243) (P280) (P261) (P271) (P264)
Hazard pictograms Signal word Hazard statement Precautionary stateme [Prevention] Keep away from hea Take precautionary Wear protective glov Avoid breathing dus Use only outdoors o	: : at/spa meas ves/pr t/fume or in a ghly a	Highly flammable liquid and va May be fatal if swallowed and e Causes skin irritation May cause drowsiness or dizzi Toxic to aquatic life with long la rks/open flames/hot surfaces N ures against static discharge. otective clothing/eye protection/fa e/gas/mist/vapours/spray. well-ventilated area. fter handling.	enters airways ness asting effects lo smoking.	(H304) (H315) (H336) (H411) (P210) (P243) (P280) (P261) (P271)

[ANSI Z400.1/Z129.1-2010][Shachihata Inc.] [EK-419(MCH) white a] 2/6

[ANSI 2400.1/2129.1-2010][Shachihata Inc.] [EK-419(MCH)_white_a] 2/6			
IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.	(P301+P310)		
Get medical advice/attention if you feel unwell. Rinse mouth.	(P301+P314+P330)		
IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.	(P304+P340)		
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)		
Remove contact lenses, if present and easy to do. Continue rinsing.			
If eye irritation persists : Get medical advice/attention.	(P337+P313)		
IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing.	(P303+P361+P353)		
Rinse skin with water/shower.			
IF ON SKIN : Wash with plenty of soap and water.	(P302+P352)		
If skin irritation occurs : Get medical advice/attention.	(P332+P313)		
Do NOT induce vomiting.	(P331)		
Collect spillage.	(P391)		
[Storage]			
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)		
[Disposal]			
Dispose of contents/container to waste in accordance with	(P501)		
local/regional/ national/international regulation (to be specified).			

2.1.3 Other hazards

Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada : According to WHMIS

2.2.1 Classification of the substance or mixture Class B2 : Flammable Liquids

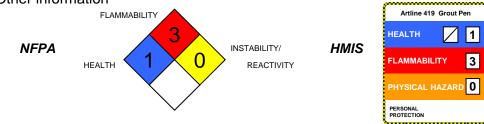
2.2.2 Label elements



2.2.3 Other hazards

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

2.3 Other information



SECTION 3: Composition/information on ingredients

Substance/Mixture : Mi Ingredients :	xture			
Chemical Name /	Composition	CAS	Classification (O	SHA HCS 2012)
Generic name	weight %	Registry No.	Hazard Class	Hazard statement
Methylcyclohexane	25 ~ 35	108-87-2	Flam.Liq. 2 Asp. Tox. 1 Skin Irrit.2 STOT.SE. 3 Aquatic Chronic 2	H225 H304 H315 H336 H411
Isoparaffinic Hydrocarbon	5 ~ 15	64742-48-9	Flam.Liq. 3 Asp. Tox. 1 Aquatic Chronic	H226 H304 H411
Titanium dioxide	30 ~ 40	13463-67-7	none	none
Synthetic resin	15 ~ 25	Confidential	none	none
Additive	1 ~ 10	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures			
IF INHALED	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.		
IF ON SKIN	: Remove/Take off immediately all contaminated clothing.Wash with soap and water.		
	If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.		
IF IN EYES	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and		
	easy to do.Continue rinsing. If eye irritation persists, get medical advice/attention.		
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach,		
	and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient		
	when not conscious. Receive the doctor's treatment (stomach pump) promptly.		
Note to Physicians :			
All treatments shoul	Id be based on observed signs and symptoms of distress in the patient		

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media	
Suitable extinguishing media	: Dry chemical powder, foam or carbon dioxide
Unsuitable extinguishing media	: Water jet

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency proceduresEvacuate personnel to safe area. Shut off all sources of ignition.No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up
In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth,etc.), and then wipe off the waste well with waste cloth, and rag.
In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.) and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions for safe ha	ndling
Advice on safe handling	: Use with adequate ventilation.
	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.
7.2. Conditions for safe stor	age, including any incompatibilities
Requirements for storage	: Keep containers tightly closed and store in a cool and dry place.
areas and containers	Keep away from heat and flame, ignition source and sunlight.
	Keep out of the reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ACGIH (2013) Methylcyclohexane Titanium dioxide

TWA TWA 400ppm 10 mg/m³

OSHA PEL		
Methylcyclohexane	TWA	500ppm
Titanium dioxide	TWA	15 mg/m ³
Canada Ontario Provincial		
Methylcyclohexane	TWA	400ppm
Titanium dioxide	TWA	10 mg/m ³
Canada Quebec Provincial		
Methylcyclohexane	TWA	400ppm
Titanium dioxide	TWA	10 mg/m ³

8.2. Exposure controls

Personal protective equipm	ent
Respiratory Protection	: Use with local exhaust ventilation, when in long use.
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.
Skin Protection	: Avoid skin contact. Wear personal protection apron,boots,if necessary.
Environmental exposure co	ntrols

 General advice
 : 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties			
Appearance	: white liquid		
Odor	: minor solvent odor		
рН	: Not applicable		
Boiling point	: No data available		
Flash point	: 26.6 °F (-3 °C) (closed cup)		
Relative Density (at 77 °F , 25 °C)	: 1.2 ~ 1.4 (g/cm ³)		
Solubility in Water	: Insoluble		

SECTION 10: Stability and reactivity

10.1.	Reactivity	

No dangerous reaction known under conditions of normal use.

10.2. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

- 10.3. Chemical stability
- The product is stable.
- 10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

- 10.5. Incompatible Materials
 - No data available
- 10.6. Hazardous decomposition products
 - $\text{CO},\,\text{CO}_2$

SECTION 11: Toxicological information

11.1. Information on toxico	logical effects			
Acute toxicity : LD/LC50 values that are relevant for class				
	[Methylcyclohexane]			
	Oral-rat LD50 >5,000r			
	Inhalation-rat	LC50	23.3 mg/l/4H	
	Dermal-rabbit	LD50	>2,000mg/kg	
	[Isoparaffinic Hydroc	arbon]		
	Oral-rat	LD50	>5,000mg/kg	
	Inhalation-rat	LC50	>5,000mg/m ³	
	Dermal-rabbit	LD50	>5,000mg/kg	

[ANSI Z400.1/Z129.1-2010][Shachihata Inc.] [EK-419(MCH)_white_a] 5/6				
Aspiration toxicity, Category	1 : Category 1	May be fatal if swallowed and enters airways.		
Skin corrosion / irritation	: Category 2	Causes skin irritation.		
Specific target organ toxicity single exposure	: Category 3	May cause drowsiness or dizziness.		
Carcinogenicity : Titanium dioxide has been classified by the IARC as Group 2B. Other materials ; Not contain any component that is considered				

a human carcinogen by IARC, ACGIH, EPA, EU or NTP .

Regarding the carcinogenicity of titanium dioxide, International Agency for Research on Cancer (IARC) has classified as a group 2B. However, ACGIH(American Conference of Governmental Industrial Hygienists) ,EPA(Environmental Protection Agency),EU (European Chemicals Agency), NTP (National Toxicology Program, USA) in the classification of suspected carcinogenic to humans has not been done. Therefore, as the ink product we could not classify the carcinogenicity of GHS from that there is no sufficient data.

SECTION 12: Ecological information

12.2. Persistence and degradability:12.3. Bioaccumulative potential:12.4. Mobility in soil:	Category 2 Toxic to aquatic life with long lasting effects No data available No data available No data available
12.5. Other adverse effects :	No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations. Comply with all Federal, State, and Local regulations regarding disposal. Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information

•			
14.1. UN number	DOT, TDG, IMO / IMDG, IATA / ICAO	: UN1210	
14.2. UN proper shipping name	DOT, TDG, IMO / IMDG, IATA / ICAO	: PRINTING INK,flammable	
14.3. Transport hazard class(es)	DOT, TDG, IMO / IMDG, IATA / ICAO · Class · Label	: 3 (Flammable liquids.) 3	
14.4. Packing group	DOT, TDG, IMO / IMDG, IATA / ICAO	: 1	
14.5. Environmental hazards	Marine pollutant	: No	
14.6. Special precautions for user	EMS Number	: F-E,S-D	
14.7. Transport in bulk according t MARPOL 73/78 and the IBC		: Not applicable.	

SECTION 15: Regulatory information

< USA Information >		
OSHA STATUS : This product is hazardous under 29 CFR 1910.1200.		
TSCA inventory : All components of this product are listed in the TSCA Ir	nventory.	
TSCA Hazard Communication Program (40 CFR Part 721) (SNUR)	: not Listed	
EPCRA Section 302 Extremely Hazardous Substances (EHS)	: not Listed	
EPCRA Section 313 Toxic Chemicals	: not Listed	
CERCLA Hazardous Substances	: not Listed	
CAA Section 112(r) List of Substances for Accidental Release Prevention	: not Listed	
California Proposition 65	: not Listed	

< Canada Information >

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Canada inventory : All components of this product are listed in the DSL/NDSL Inventory.

WHMIS Ingredient Disclosure List (SOR/88-64)

(WHMIS : Canadian Workplace Hazardous Material Information System)

: Methylcyclohexane

SECTION 16: Other information, including date of preparation or last revision

Last Revision Date Preparation Date

: 29.05.2015



:

EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC) This product does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenylethers (PBDE).

This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.