

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

1 Identification

• Product Identifier

• **Trade Name:** **Safe Stride Acrylic** Abrasive Anti-Slip Paint (for all colors)

• **Article number:** 3005

• **Relevant identified uses of the substance or mixture:** Non-skid floor coating

Description: Safe Stride Acrylic coatings in various colors have been formulated for use on concrete, wood, primed metal, asphalt and stone

• Details of the supplier of the safety data sheet

• **Manufacturer/Supplier:**

Wooster Products, Inc.
1000 Spruce Street
Wooster, OH 44691
Phone Number: 1-800-321-4936/330-264-2844

• **Information department :** sales@wooster-products.com

• **Contact for the safety data sheet:** Guliz Elliott

• **Emergency telephone number:** Chem-Trec: 1-800-424-9300

2. Hazards identification

• **OSHA/HCS Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

• **Classification of the substance or mixture:** CARCINOGENICITY – Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 2

Percentage of the mixture consisting of unknown toxicity: 5.03 %

• **GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).



GHS08

• **Hazard pictograms GHS08 Signal Word:** Warning (Systemic Health Hazard)

• **Hazard statements:** Suspected of causing cancer, may cause damage to organs through prolonged or repeated exposure

• **Precautionary statements:**

• **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapor.

• **Response:** If exposed or concerned: Get medical attention. If medical advice is needed, have product container or label at hand.

• **Storage:** Store locked up. Keep out of reach of children.

• **Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

• **Supplemental label elements:** WARNING: This product contains chemicals known to State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Do not transfer contents to other containers for storage.

• **Hazards not otherwise classified:** None known.

(Contd. on page 2)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

(Contd. of page 1)

3 Composition/information on ingredients

· Chemical characterization: Mixtures·

Description: Mixture

Ingredient	CAS Number	% by weight
Acrylic Resin		14-16
2-Butoxyethanol	111-76-2	<1
Titanium Dioxide	13463-67-7	0-4
Nepheline Syenite	37244-96-5	5-10
Fused Aluminum Oxide	1344-28-1	4-7
Kaolin (Clay)	1332-58-7	8-10
Calcium Carbonate	471-34-1	20-25
Carbon Black	1333-86-4	<1

There are no additional ingredients present which, within the current knowledge of the suppliers and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

4 First-aid measures

· After Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

· After Skin Contact:

Immediately remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water at least 15 minutes. Use soap if available or follow washing with soap and water. Do not reuse clothing until thoroughly cleaned.

· After Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open and seek medical attention. Check and remove any contact lenses.

· After Ingestion:

Get medical help immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical help immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waist band.

· Most important symptoms/effects, acute and delayed:

· Potential health effects:

Eye contact/Inhalation/Skin contact/Ingestion: No known significant effects or critical hazards.

· Over-exposure signs/symptoms:

Eye contact/Inhalation/Skin contact/Ingestion: No specific data.

· Indication of immediate medical attention and special treatment if necessary:

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Specific treatments: No specific treatment.

(Cont. on page 3)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

(Cont. of page 2)

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Use fire-fighting measures that suit the environment. Use dry chemical, CO₂, extinguishing powder, foam or water fog.

Unsuitable extinguishing agents: None known.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: CO₂/CO/metal oxides/oxides.

Special fire-fighting procedures and precautions:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Full emergency equipment with self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode and full protective clothing should be worn by fire fighters.

Do not enter a confined space without full bunker gear, including a positive pressure NIOSH approved self-contained breathing apparatus.

During fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

6 Accidental release measures

Personal precautions protective equipment and emergency procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wear protective equipment. Keep unprotected persons away.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up :

Small spill:

Remove all sources of ignition and ventilate area. Dike and contain spilled material and control further spillage if feasible. Cover spill with liquid-binding non-combustible absorbent material (clay, sand, sawdust, vermiculite, Fullers earth or other suitable absorbent). Collect material in non-leaking containers and seal tightly for disposal. Dispose of contaminated material as waste in accordance with federal, state and local regulations.

Large spill:

Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Remove all sources of ignition and ventilate area. Dike and contain spilled material and control further spillage if feasible. Cover spill with liquid-binding non-combustible absorbent material (clay, sand, sawdust, vermiculite, Fullers earth or other suitable absorbent). Collect material in non-leaking containers and seal tightly for disposal. Dispose of contaminated material as waste in accordance with federal, state and local regulations. Contaminated material may pose the same hazard as the spilled product.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

(Cont. on page 4)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

(Contd. of page 3)

7 Handling and storage

• **Precautions for safe handling:**

• **Protective measures:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Employee education and training in the safe use and handling of this material are required under the OSHA Hazard Communication Standard. Put on appropriate personal protective equipment (see Section 8). Avoid exposure – do not handle until all safety precautions have been read and understood. Do not get into eyes or skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse the container.

• **Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

• **Conditions for safe storage including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). And food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 Exposure controls/personal protection

• **Control parameters**

• **Components with limit values that require monitoring at the workplace:** This formula contains hazardous fillers which are not hazardous in a wet or encapsulated state. However, if a formula containing a hazardous filler is reduced to a respirable fraction by grinding or putting into an airborne powder, the powder is considered a hazardous material.

• **Appropriate engineering controls:** If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

• **Environmental exposure controls:** Emissions from ventilation work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

• **Individual protection measures**

• **Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

• **Eye/face protection:** Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection safety glasses with side shields.

• **Skin protection**

• **Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

• **Body protection:** Personal protective equipment for the body should be selected based on the task being performed, risks involved and should be approved by a specialist before handling this product.

• **Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed, the risks involved and should be approved by a specialist before handling this product.

• **Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels. The hazards of the product and the safe working limits of the selected respirator.

(Cont. on page 5)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

Contd. of page 4)

· Exposure limits:

Ingredient	CAS #	ACGH/TLV	OSHA/PEL
Titanium Dioxide	13463-67-7	10 mg/m3 (TWA 8 hrs)	15mg/m3 (TWA 8 hrs)
Nepheline Syenite	37244-96-5	10 mg/m3(respirable fraction)	5 mg/m3(respirable fraction)
Fused Aluminum Oxide	1344-28-1	5 mg/m3(respirable dust) 10 mg/m3(total dust)	5 mg/m3(respirable dust) 15 mg/m3(total dust)
Kaolin (Clay)	1332-58-7	2 mg/m3(respirable dust)	15 mg/m3(total particulates)
Calcium Carbonate	471-34-1	3 mg/m3(respirable particles) 10 mg/m3(inhalable particles)	5 mg/m3(respirable dust) 15 mg/m3(total dust)
Carbon Black	1333-86-4	3 mg/m3(inhalable particles)	3.5 mg/m3(inhalable particles)
2-Butoxyethanol	111-76-2	25 ppm	25 ppm

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance

Form:

Liquid

Color:

Various, product specific

· Odor:

Not available

· Odor threshold:

Not available

· pH-value:

8.7

· Melting point:

Not available

· Boiling point:

100 C (212 F)

· Flash point:

> 93.3 C (>199 ° F (closed cup)

· Evaporation rate:

0.09 (butyl acetate = 1)

· Flammability (solid, gas) limits:

UEL % Not established, LEL % Not established

· Lower and upper flammability limits:

Lower= 0.6%, Upper=20.4 %

· Vapor pressure:

0.31 kPa (2.333 mm Hg) (at 20 C)

· Vapor density:

1 (air=1)

· Specific gravity:

1.5

· Solubility:

Not available

· Partition coefficient (n-octanol/water):

Not available

· Auto ignition temperature:

Not available

· Decomposition temperature :

Not available

Note: These physical data are typical values based on material tested but may vary from sample to sample.

(Contd. on page 6)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

• Auto Ignition:	Product is not self-igniting	(Contd. of page 5)
• Heat of combustion:	0.00000146 kJ/g	
• Kinematic Viscosity:	>0.205 cm ² /s (>20.5 cSt) at room temperature and at 40 C (104 F)	
• Solvent:	0.74 weight %	
• Other information:		
• VOC (Actual)	75.97 g/l	
• VOC (Regulatory)	137.63 g/l	

10 Stability and reactivity

- **Reactivity**
- **Chemical stability:** Product is stable under normal conditions of storage and handling.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.
- **Conditions to avoid:** Do not expose to temperatures above 300 C. Keep away from heat and sources of ignition. Avoid dust formation.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** Under normal conditions of storage and use, there should not be hazardous decomposition products.

11 Toxicological information

Information on toxicological effects

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin-Mild Irritant	Human	-	72 hrs 300 micrograms intermittent	-

- **Acute toxicity:** Not available
- **Sensitization:** Not available
- **Mutagenicity:** Not available
- **Carcinogenicity:** Not available

Classification:

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

- **Reproductive toxicity:** Not available
- **Teratogenicity:** Not available

Information on toxicological effects

Product/ingredient name	Category	Route of exposure	Target organs
2-Butoxyethanol	Category 2	Not determined	Not determined

- **Aspiration hazard:** Not available
- **Information on the likely routes of exposure:** Not available

(Contd. on page 7)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

(Contd. of page 6)

- . **Potential acute health effects:**
 - . **Eye contact:** No known significant effects or critical hazards.
 - . **Inhalation:** No known significant effects or critical hazards.
 - . **Skin contact:** No known significant effects or critical hazards.
 - . **Ingestion:** No known significant effects or critical hazards.
- . **Symptoms related to the physical, chemical and toxicological characteristics :**
 - . **Eye contact:** No specific data.
 - . **Inhalation:** No specific data.
 - . **Skin contact:** No specific data.
 - . **Ingestion:** No specific data.
- . **Delayed and immediate effects and also chronic effects from short and long term exposure:**
- . **Short term exposure:**
 - . **Potential immediate/delayed effects:** Not available.
- . **Long term exposure:**
 - . **Potential immediate/delayed effects:** Not available.
- . **Potential chronic health effects:** Not available.
- . **General:** May cause damage to organs through prolonged and repeated exposure.
- . **Carcinogenicity:** Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- . **Mutagenicity:** No known significant effects or critical hazards.
- . **Teratogenicity:** No known significant effects or critical hazards.
- . **Developmental effects:** No known significant effects or critical hazards.
- . **Fertility effects:** No known significant effects or critical hazards.
- . **Numerical measurements of toxicity:**
- . **Acute toxicity estimates:** Not available.

Information on toxicological effects

Product/ingredient name	Result	Species	Score	Exposure	Observation
Carbon Black	Skin-Not irritating	Rabbit	-	LD50/oral=>8000mg/kg (Equivalent to OECD TG 401)	-

- . **Acute toxicity:**
- . **Inhalation LC50:** No data available.
- . **Dermal LD50:** No data available.
- . **Assessment:** Not-toxic after ingestion.
- . **Skin corrosion/irritation:** Rabbit: not irritating. (Equivalent to OECD TG 404). Edema=0 (max attainable irritation score:4). Erythema=0 (max attainable irritation score:4)
Assessment: not irritating to skin.
- . **Eye damage/irritation:** Rabbit: not irritating (OECD TG 405). Cornea=0 (max attainable irritation score:4). Iris=0 (max attainable irritation score:2). Conjunctivae=0 (max attainable irritation score:3). Chemosis=0 (max attainable irritation score:4).
Assessment: not irritating to eyes.
- . **Sensitization:** Guinea pig skin (Buehler test): Not sensitizing (OECD TG 406).
Assessment: not sensitizing to animals. No cases of sensitization in humans have been reported.
- . **Germ cell mutagenicity: In vitro:** Because of its insolubility in bacterial Ames test, carbon black has been tested only in organic solvent extracts and results showed no mutagenic effects. **In vivo:** In vivo mutagenicity in rats occurs by mechanisms secondary to threshold effect and is a consequence of "lung overload", which leads to chronic inflammation and the release of oxygen species. This mechanism is considered to be a secondary genotoxic effect and, thus carbon black itself would not be considered to be mutagenic.
- . **IARC (International Agency for Research on Cancer) on carbon black:**
IARC's overall evaluation is that carbon black is "possibly carcinogenic to humans (Group 2B)".
- . **ACGIH Cancer Classification for carbon black:**
ACGIH's overall evaluation is that carbon black is confirmed animal carcinogen with unknown relevance to humans (Category A3 Carcinogen).
- . **Reproductive and developmental toxicity:** No effects on reproductive organs or fetal developments have been reported in long term repeated dose toxicity studies in animals.

(Contd. on page 8)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic

(Contd. of page 7)

12 Ecological Information

. Toxicity:

Product/Ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50>1000000 µg/l Marine water	Fish – Fundulus heteroclitus	96 hours

. Persistence and degradability: Not available.

Product/Ingredient name	Log P _{ow}	BCF	Potential
Titanium Dioxide	-	352	low

. Mobility in soil:

. Soil/water partition coefficient (K_{oc}): Not available.

. Other adverse effects: No known significant effects or critical hazards.

. Aquatic toxicity of carbon black: Fish (Brachydnio rerio): LC50(96hr)>1,000 mg/L (Method OECD 203).

Daphnia magna: EC50 (24 hr)>5,600 mg/L (Method OECD 202).

Algae (Scenedesmus subspicatus): EC50 (72 hr)>10,000 mg/L

Algae (Scenedesmus subspicatus): NOEC>=10,000 mg/L (Method OECD 201).

Activated sludge: EC0 (3 hr) >=800 mg/L (Method DEV L3 TTC test).

. PBT and vPvB assessment: This product does not fulfill the criteria for PBT or VPvB.

12 Disposal considerations

. Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled if not contaminated. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14 Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN Number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-	-	-
Transport hazard classes	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No	No	No	No	No
Additional Information	Special provisions: not applicable	Special provisions: not applicable	Special provisions: not applicable	Special provisions: not applicable	Emergency schedules (EmS): not applicable

(Contd. on page 9)

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 1/09/2019

Revision Date 1/09/2019

Trade Name: Safe Stride Acrylic
--

(Contd. of page 8)

. **Special precautions for user:** Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transportation (sea, air, etc.) does not indicate that the product is packaged suitably for that mode of transportation. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and all actions in case of emergency situations.

. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** Not available.

15 Regulatory information

. **California Prop. 65:**

WARNING: This product contains chemicals known to State of California to cause cancer and birth defects or other reproductive harm.

16 Other information

. **Hazardous Materials Information System (HMIS):**

Health	1
Flammability	0
Physical Hazards	0

Caution: HMIS® ratings are based on a 0-4 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. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

Although the information and recommendations contained in this SDS are presented in good faith and are believed to be correct as the date of this SDS, Wooster Products makes no representations as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. In no event will Wooster Products or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

. **Abbreviations and acronyms:**

DOT: US Department of Transportation.