SAFETY DATA SHEET

May be used to comply with OSHA Hazcom 29 CFR 1910.1200. Standards must be consulted for specific requirements.

Revision Date: 2019-02-18

1. IDENTIFICATION

Product Name: Statguard® Conductive Acrylic Paint, Dark Grey

Identified use: Acrylic Paint

Company Identification: DESCO INDUSTRIES INC

One Colgate Way
Canton, MA 02021
UNITED STATES
+1 781-821-8370

Email Address: Service@DescoIndustries.com

Emergency telephone number

United States: +1 781-821-8370

Office hours: 8:00 AM - 5:00 PM

2. HAZARDS IDENTIFICATION

Hazard classification

This material is hazardous under the criteria of the Federal OSHA Hazcom 29 CFR 1910.1200.

Skin Irritation	Category 2
Eye Irritation	Category 2A
Skin Sensitisation	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2

Label elements

Hazard pictograms/Symbols:

Signal word: **WARNING**

Hazard statements:
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

Precautionary statements:

Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.

Response
IF ON SKIN: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

Wash contaminated clothing before reuse.

Storage
Store locked up.

Disposal
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Components	CAS No.	Concentration
Titanium Dioxide	13463-67-7	10 - 25 %
Epoxy Ester	Trade Secret	2.5 - 10 %
2-butoxyethanol	111-76-2	2.5 - 10 %
Carbon Black	1333-86-4	0.1 - 2.5 %
Manganese Carboxylate	15956-58-8	0.1 - 1 %
Cobalt Bis(2-ethylhexanoate)	136-52-7	0.1 - 2.5 %

4. FIRST AID MEASURES

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

Skin Contact In case of contact, immediately wash with water and soap and rinse thoroughly.

Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion If symptoms persist consult doctor. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media: CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Methods: None known

Special hazards arising from the substance or mixture

No further relevant information available.

Unusual Fire and Explosion Hazards: None known.

Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Contain fire water run-off if possible.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to SECTION 13.

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.

Protective Action Criteria for Chemicals

PAC-1:

Hazardous Ingredients	CAS No.	Rating
Titanium dioxide	13463-67-7	30 mg/m^3
2-butoxyethanol	111-76-2	60 ppm
Carbon black	1333-86-4	9 mg/m^3
2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3	30 mg/m^3
1-methoxy-2-propanol	107-98-2	100 ppm
Poly(propylene glycol)	25322-69-4	30 mg/m^3
Dibutyl phthalate	84-74-2	15 mg/m^3
Stoddard solvent	8052-41-3	300 mg/m^3

PAC-2:

Hazardous Ingredients	CAS No.	Rating
Titanium dioxide	13463-67-7	330 mg/m^3
2-butoxyethanol	111-76-2	120 ppm
Carbon black	1333-86-4	99 mg/m^3
2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3	330 mg/m^3
1-methoxy-2-propanol	107-98-2	160 ppm
Poly(propylene glycol)	25322-69-4	330 mg/m^3
Dibutyl phthalate	84-74-2	1,600 mg/m^3
Stoddard solvent	8052-41-3	1,800 mg/m^3

PAC-3:

Hazardous Ingredients	CAS No.	Rating
Titanium dioxide	13463-67-7	2,000 mg/m^3
2-butoxyethanol	111-76-2	700 ppm
Carbon black	1333-86-4	590 mg/m^3
2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3	2,000 mg/m^3
1-methoxy-2-propanol	107-98-2	660 ppm
Poly(propylene glycol)	25322-69-4	2,000 mg/m^3
Dibutyl phthalate	84-74-2	9,300* mg/m^3
Stoddard solvent	8052-41-3	29,500** mg/m^3

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for safe storage, including any incompatibilities
Keep from freezing - product stability may be affected. For commercial and industrial use only.

Storage stability
Storage temperature: 1°C - 49°C (34°F - 120°F)
See SECTION 8, for types of ventilation required.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters
Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituent have no known exposure limits.

2-butoxyethanol (CAS No.: 111-76-2)	
PEL	Long-term value: 240 mg/m³, 50 ppm Skin
REL	Long-term value: 24 mg/m³, 5 ppm Skin
TLV	Long-term value: 97 mg/m³, 20 ppm BEI
Carbon black (CAS No.: 1333-86-4)	
PEL	Long-term value: 3.5 mg/m³
REL	Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m³ *inhalable fraction
Cobalt bis(2-ethylhexanoate) (CAS No.: 136-52-7)	
TLV	Long-term value: (0.02) NIC-0.02* mg/m³ as Co, *inhalable; NIC-Skin,DSEN,RSEN,(BEI)

Ingredients with biological limit values:

2-butoxyethanol (CAS No.: 111-76-2)	
BEI	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Technical Control: Use local exhaust, or other technology solutions to keep air levels below given or recommended limit values. If limit values are not present, good general ventilation should be sufficient. Local exhaustion mat be required in some operations.

Individual protection measures

Protective Gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests, no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection	Use tightly sealed goggles.
General protective and Hygienic Practices	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Liquid
Color:	Dark grey
Odor:	Characteristic
Odor Threshold:	N/A
pH:	8.4 - 8.9
Melting Point:	N/A
Boiling Point:	100 °C (212 °F)
Flash Point:	94 °C (201 °F)
Ignition temperature	240 °C (464 °F)
Evaporation rate:	Slower than (n-Butyl Acetate)
Flammability:	N/A
Upper flammability or explosive limits:	N/A
Lower flammability or explosive limits:	N/A
Vapor Pressure @ 20°C (68°F):	17 mm Hg or 23hPa
Vapor Density (air=1):	Heavier than air
Relative Density:	N/A
Density @ 20°C (68°F):	1.206 g/cm³ (10.064 lbs/gal)
Specific Gravity (H_2O = 1) :	N/A
Solubility:	Fully miscible.
Partition coefficient:	N/A
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	N/A
Dynamic viscosity:	N/A
Kinematic viscosity:	22 - 25s (#3 Zayn cup)
Explosive properties:	Product does not present an explosion hazard
Oxidizing properties:	N/A
VOC Content:	91.1 g/l / 0.76 lb/gl
Solids Content:	34 - 38%

Other information

Surface Resistance	≤ 5x10E4 ohms

10. STABILITY AND REACTIVITY

Reactivity: No further relevant information available.

Chemical stability: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Effects:

Eye Contact	Irritating effect.
Skin Contact	Irritant to skin and mucous membranes.
Sensitization	Sensitization possible through skin contact.
Additional toxicological info.	The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic Categories:

	Chemical	CAS#	Rating
IARC (International Agency for Research on Cancer)	Titanium dioxide	13463-67-7	2B
	2-butoxyethanol	111-76-2	3
	Carbon black	133-86-4	2B
	Cobalt bis(2-ethylhexanoate)	136-52-7	2B
NTP (National Toxicology Program)	None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.		

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability: No further relevant information available.
Behavior in environmental systems:
Bioaccumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Product	Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)	Not regulated for transport
Classification for SEA transport (IMO-IMDG)	Not regulated for transport Consult IMO regulations before transporting ocean bulk.
Classification for AIR transport (IATA/ICAO)	Not regulated for transport

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Title III Inventory of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR37.

Section 355 (Extremely hazardous substances)	All ingredients are listed.
Section 313 (Specific toxic chemical listings)	2-butoxyethanol (CAS No.: 111-76-2) Butan-1-ol (CAS No.: 71-36-3) Triethylene glycol monobutyl ether Ammonia (CAS No.: 1336-21-6) Cobalt bis(2-ethylhexanoate) (CAS No.: 136-52-7) Naphtha Solvent (CAS No.: 64742-47-8) Dibutyl phthalate (CAS No.: 84-74-2) 2-(2-butoxyethoxy)ethanol (CAS No.: 112-34-5) Stoddard solvent (CAS No.: 8052-41-3)

Proposition 65

Chemicals known to cause cancer	Titanium Dioxide (CAS No.: 13463-67-7)
	Carbon black (CAS No.: 1333-86-4)
Chemicals known to cause reproductive toxicity for females/ males and cause developmental toxicity	Dibutyl phthalate (CAS No.: 84-74-2)

Carcinogenic Categories

EPA (Environmental Protection Agency)	2-butoxyethanol	111-76-2	NL
	Dibutyl phthalate	84-74-2	D
TLV (Threshold Limit Value established by ACGIH)	Titanium dioxide	13463-67-7	A4
	2-butoxyethanol	111-76-2	A3
	Carbon black	1333-86-4	A4
NIOSH-Ca (National Institute for Occupational Safety and Health)	Titanium dioxide	13463-67-7	
	Carbon black	1333-86-4	

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

HMIS RATING	Health 1, Reactivity 1, Flammability 0, Personal Protection B
NFPA RATING	Special Hazard: N/A, Health: 1, Flammability: 1, Instability: 0
SDS Updated	**2019-02-18**

Disclaimer

OTHER INFORMATION: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.