

**KANSAS CORRECTIONAL INDUSTRIES
DARK GREY POLYURETHANE FLOOR ENAMEL**

SAFETY DATA SHEET

SECTION 1 – PRODUCT NAME AND COMPANY IDENTIFICATION

- 1.1 Product name: Dark Grey Polyurethane Floor Enamel
 General use: Enamel paint
 Product description: Thin grey liquid
 Product number(s): GFED
- 1.2 Manufacturer: Kansas Correctional Industries, 4th. St. & Kansas St., Lansing, KS 66043
 Telephone number: (913) - 727 -3249
 Emergency number: Chemtrec: (800) - 424 - 9300

Date prepared: May 3, 2015; supersedes any previous editions
 Prepared by Kinetic Solutions (423-802-0684, petersteyn@msn.com)

SECTION 2 – HAZARDS IDENTIFICATION

- 2.1 Classification of the substance: Cat. 2; Skin, Cat. 2A; Eye, Cat. 3; Flammable, Cat. 2; Aquatic toxicity
- 


- 2.2 Signal word: **WARNING**
- 2.3 Hazard statement: H226: Flammable liquid and vapor.
 H302: Harmful if swallowed.
 H315: Causes skin and eye irritation.
 H337: May cause damage to organs through prolonged or repeated ingestion.
 H411: Toxic to aquatic life with long lasting effects.
- 2.4 Precautionary prevention statements: P210: Keep away from heat/sparks/open flame, hot surfaces - no smoking.
 P264: Wash exposed skin thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
- 2.5 Precautionary response statements: P312: Call a **POISON CENTER** or doctor/physician if you feel unwell.
 P301, P330, P381: **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.
 P304, P340: **IF INHALED:** Remove victim to fresh air, rest in a position comfortable for breathing.
 P305, P351, P338: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing as needed.
 P363: Wash contaminated clothing before reuse.
- 2.6 Precautionary storage statements: P403, P404: Store in a well ventilated area. Store in a closed container.
- 2.7 Precautionary disposal statement: P501: Dispose of contents / container in accordance with local / national / international regulations.
- 2.8 NFPA / HMIS rating: 2, 2, 0, B

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Hazardous components:	CAS #	% by wt.	OSHA PEL		ACGIH TLV		SARA TITLE III	RQ (lbs.)
			PPM	mg/M ³	PPM	mg/M ³		
Stoddard solvent	8052-41-3	< 74%	500	2900	100	Not est.	311 / 312	None
Naphtha	64742-88-7	< 5%	500	2000	200	Not est.	311 / 312	None
Titanium dioxide (dust)	13463-67-7	< 13%		15		10	Not listed	None
Kaolin (dust)	1332-58-7	< 5%		5		2	Not listed	None
Carbon black (dust)	1333-86-4	< 2%		3.5		3.5	311	None

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure.
 These components contain no substances or impurities which would influence the classification of this product.
 All components and their specific proportions in this product are considered proprietary to Kansas Correctional Industries.

KANSAS CORRECTIONAL INDUSTRIES DARK GREY POLYURETHANE FLOOR ENAMEL

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures

General information:	Immediately remove any clothing soiled by the product. Always seek medical help for any overexposure.
After inhalation:	In case of unconsciousness place patient stably in side position for transportation. Supply fresh air. If required, provide artificial respiration. Keep patient warm.
After skin contact:	Immediately rinse with water. Seek immediate medical advice.
After eye contact:	Remove contact lenses if worn. Rinse eyes for several minutes under running water. Seek medical advice.
After swallowing:	Do not induce vomiting; call for medical help immediately. Rinse out mouth and then drink plenty of water. A person vomiting while on their back should be turned onto their side.

SECTION 5 – FIRE FIGHTING PROCEDURES

5.1 Extinguishing media:	Carbon dioxide, chemical foam, dry chemical. Material is combustible.
5.2 General hazards:	Material is irritating, avoid contact and conditions that result in agitating or foaming the material.
5.3 Advice for firefighters:	Fully protective equipment: Wear a self-contained respiratory protective device.
5.4 Unusual hazards:	Closed containers may explode when exposed to extreme heat.
5.5 Firefighting procedures:	Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product or fumes contact the eyes.
5.6 Decomposition compounds:	Oxides of carbon, calcium, titanium and silicon may be released with sufficient thermal energy.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Protective equipment and emergency procedures:	Wear protective equipment. Keep unprotected persons away. Particular danger of slipping on leaked/spilled product. Ensure adequate ventilation, material is irritating, avoid direct contact.
6.2 Environmental precautions:	Do not allow it to enter sewers, surface or ground water.
6.3 Methods and materials for containment and clean up:	Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Clean the affected area carefully, dispose contaminated material as waste according to Section 13.
6.4 Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for safe handling:	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
7.2 Conditions for safe storage:	Do not store together with acids or foodstuffs. Store in cool, dry conditions in well sealed receptacles.
7.3 Specific end use(s):	No further relevant information available.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure controls:	<p>General protective and hygienic measures: Keep away from foodstuffs and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid direct contact with the eyes and skin.</p> <p>Respiratory protection: None required unless product is aerated or sprayed.</p> <p>Protection of hands: Protective gloves, the glove material has to be impermeable and resistant to the product, such as neoprene, butyl or nitrile rubber gloves with cuffs.</p> <p>Eye protection: Safety glasses and / or goggles with side shields.</p> <p>Body protection: Protective work clothing.</p>
------------------------	---

KANSAS CORRECTIONAL INDUSTRIES DARK GREY POLYURETHANE FLOOR ENAMEL

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	Thin grey liquid
	Odor:	Aromatic
	Odor threshold:	ND
	pH:	ND
	Melting point / freezing point:	ND
	Initial boiling point and boiling range:	> 100°C
	Flash point:	40°C, 104°F
	Evaporation rate:	ND
	Flammability (solid, gas):	ND
	Upper / lower flammability or explosive limits:	ND
	Vapor pressure:	ND
	Vapor density:	ND
	Relative density:	1.1 @ 25°C
	Solubility:	Insoluble
	Partition coefficient: n-octanol/water:	ND
	Autoignition temperature:	ND
	Decomposition temperature:	ND
9.2	Other information:	None

SECTION 10 –STABILITY AND REACTIVITY

10.1	Reactivity:	No spontaneous reactivity
10.2	Chemical stability:	Thermal decomposition possible at temperatures exceeding 600°F, no decomposition if used according to specifications.
10.3	Possible hazardous reactions:	None known.
10.4	Conditions to avoid:	No further relevant information available.
10.5	Incompatible materials:	Strong oxidizers and acids.
10.6	Decomposition products:	Oxides of carbon, calcium, titanium, and silicon.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1	Hazardous Ingredients	CAS #	EINECS #	LD50, species / route
	Stoddard solvent	8052-41-3	232-489-3	LD50, Rat, oral, 5000 mg/kg
	Naphtha	64742-88-7	265-149-8	LD50, Rat, oral, 1000 mg/kg
	Titanium dioxide (dust)	13463-67-7	236-675-5	LD50, Rat, oral, > 10,000 mg/kg
	Kaolin (dust)	1332-58-7	310-194-4	LD50, Rat, oral, > 10,000 mg/kg
	Carbon black (dust)	1333-86-4	215-609-9	LD50, Rat, oral, > 8,000 mg/kg
11.2	Serious eye damage/irritation:	No data available		
11.3	Respiratory or skin sensitization:	No data available		
11.4	Repeated dose toxicity:	No data available		
11.5	STOT (single/repeated)	May cause damage to organs through prolonged or repeated exposure – kidneys, CNS.		
11.6	Carcinogenicity:	IARC Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes. "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials such as paint." OSHA: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.		
11.7	Mutagenicity:	No data available		
11.8	Reproductive toxicity:	No data available		

KANSAS CORRECTIONAL INDUSTRIES DARK GREY POLYURETHANE FLOOR ENAMEL

SECTION 12 – ECOLOGICAL INFORMATION

12.1	Toxicity:	Stoddard solvent	8052-41-3	LC50, Fathead minnow, > 800 mg/liter (96 hours)
		Titanium dioxide (dust)	13463-67-7	LC50, Fathead minnow, ND
		Naphtha	64742-87	LC50, Fathead minnow, < 10 mg/liter (96 hours)
		Kaolin (dust)	1318-74-7	LC50, Fathead minnow, > 10,000 mg/liter (96 hours)
		Carbon black	1333-86-4	ND
		Finished product:	No available data	
12.2	Persistence and degradability:	Expected to be easily biodegradable based on composition.		
12.3	Bioaccumulative potential:	Not expected to exhibit this behavior based on composition.		
12.4	Soil mobility:	No specific data available.		
12.5	General information:	No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.		

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods:	It is recommended that small amounts be adsorbed and disposed of in accordance with local regulations. Dispose of bigger amounts in accordance with Local Authority requirements. Refer to 40 CFR 260 - 299 for complete waste disposal regulations for solvent based materials. Consult your local, state, or federal agency before disposing of any chemicals.
------	--------------------------	--

SECTION 14 – TRANSPORTATION INFORMATION

14.1	UN number:	UN1263
	DOT, ADR, IMDG, IATA	
14.2	Proper shipping name:	Paint
	DOT, ADR, IMDG, IATA	
14.3	Transport hazard class:	3
	DOT, ADR, IMDG, IATA	
14.4	Packing group:	III
	DOT, ADR, IMDG, IATA	
14.5	Environmental hazards:	No
	Marine	

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 – REGULATORY INFORMATION

15.1	TSCA:	All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.
15.2	SARA TITLE III:	Not regulated under 302, 303, 313. Listed under 311, 312.
15.3	CERCLA:	Not listed.
15.4	Clean Air Act:	No ingredients defined as Hazardous Air Pollutants or Stratospheric Ozone Depleting.
15.5	California Prop. 65:	This product contains a chemical(s) known to the State of California to cause cancer or developmental concerns. Titanium dioxide (CAS # 13463-67-7), naphtha (CAS # 64742-88-7).
15.6	Right To Know:	MA / NJ / PA for Stoddard solvent (CAS # 8052-41-3), naphtha (CAS # 64742-88-7) and kaolin (CAS # 1332-58-70). MA / NJ / PA / RI / MN for titanium dioxide (CAS # 13463-67-7) and carbon black (CAS # 1333-86-4).
15.7	CPR classification:	WHMIS Classification: D2B, B3
15.8	Canadian IDL:	Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.
15.9	Can. DSL / NDSL:	Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.
15.10	EINECS:	Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

KANSAS CORRECTIONAL INDUSTRIES DARK GREY POLYURETHANE FLOOR ENAMEL

SECTION 16 – OTHER INFORMATION

16.1 Risk phrases: R36 / 37 / 38: Irritating to the eyes / respiratory system / skin
Safety phrases: S36 / 37 / 39: Wear protective clothing, gloves, and eye / face protection.



Symbols for label:

Terms and Conditions. This SDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of use or fitness for particular purpose. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The receipt and use of this information constitutes consent to these terms and conditions.