



Safety Data Sheet

Issue date 31-Jul-2018

Revision date 30-Nov-2018

Revision Number 3

1. IDENTIFICATION

Product identification

Product identifier	Kent® Controlled Flow Finishing Glaze
Other means of identification	KT14793
Recommended use	Coating
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Kent Automotive
8770 W. Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
(888)-937-5368

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification

Acute toxicity - Inhalation	Category 4
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Symbol



Signal word

DANGER

Hazard statements	H226 - Flammable liquid and vapor H304 - May be fatal if swallowed and enters airways H332 - Harmful if inhaled H350 - May cause cancer H361 - Suspected of damaging fertility or the unborn child H372 - Causes damage to organs through prolonged or repeated exposure
Precautionary statements	
General	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use.
Prevention	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust/fume/gas/mist/vapors/spray P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing and eye/face protection
Response	
General	P308 + P313 - IF exposed or concerned: Get medical advice/attention P312 - Call a POISON CENTER or doctor if you feel unwell
Skin	P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Inhalation	P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Fire	P370 + P378 - In case of fire: Use CO2, dry chemical, or foam to extinguish
Storage	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up
Disposal	P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable
Hazard(s) Not Otherwise Classified (HNOC)	None known.
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Unknown acute toxicity	None known

3. COMPOSITION/INFORMATION ON INGREDIENTS**Composition** Mixture.

Chemical name	CAS-No	Weight %
Styrene	100-42-5	10-30
Talc	14807-96-6	10-20
Titanium dioxide	13463-67-7	1-5
Quartz	14808-60-7	0.1-1.0
Dimethyl acetamide	127-19-5	0.1-1.0
Aniline	62-53-3	<1

4. FIRST-AID MEASURES**Necessary first-aid measures**

General Information	Show this safety data sheet to the doctor in attendance.
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Contact physician or poison control center immediately. If spontaneous vomiting occurs, have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.
Skin contact	Remove all contaminated clothing immediately. IMMEDIATELY WASH THE EXPOSED AREAS WITH COPIOUS AMOUNTS OF WATER FOR A MINIMUM OF 30 MINUTES OR UP TO 60 MINUTES FOR CRITICAL BODY AREAS. Seek medical attention if irritation persists. Seek medical attention if irritation occurs.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention.
Most important symptoms (acute)	None known.
Most important symptoms (over-exposure)	None known.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Alcohol resistant foam. Carbon dioxide (CO ₂). Dry chemical.
Unsuitable extinguishing media	None known.
Specific hazards	Combustion products: carbon dioxide, carbon monoxide. Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode. Solvent vapors

may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapors. Cool containers exposed to flames with water until well after the fire is out. Containers should be cooled with water to prevent vapor pressure build up.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid all unnecessary exposure. Avoid contact with eyes, skin, and clothing. Do not touch or walk through spilled material. Wear personal protective equipment. Ventilate the area. Dike to collect large liquid spills. Contain spills with an absorbent towel or other suitable material. Stop leak if possible without personal risk. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid skin contact. Ensure adequate ventilation. Otherwise, wear an appropriate breathing apparatus. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid breathing dust/fume/gas/mist/vapors/spray. Ground and bond containers when transferring material. Material is a safe material to handle and use under almost all commonly encountered environments. Wash hands after handling the product. Keep away from all sources of electricity such as electric motors and batteries. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from oxidizing and reducing materials. Store away from direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Styrene	200 ppm Ceiling 100 ppm TWA	40 ppm STEL 20 ppm TWA	100 ppm STEL 425 mg/m ³ STEL 50 ppm TWA 215 mg/m ³ TWA
Talc	-	2 mg/m ³ TWA	2 mg/m ³ TWA
Titanium dioxide	15 mg/m ³ TWA	10 mg/m ³ TWA	-
Quartz	50 µg/m ³ TWA 50 µg/m ³ TWA	0.025 mg/m ³ TWA	0.05 mg/m ³ TWA
Dimethyl acetamide	Skin 10 ppm TWA 35 mg/m ³ TWA	10 ppm TWA Skin	10 ppm TWA 35 mg/m ³ TWA
Aniline	Skin 5 ppm TWA 19 mg/m ³ TWA	2 ppm TWA Skin	-

Appropriate engineering controls

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (i.e. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation.

Individual protection measures,

such as personal protective equipment**Eye protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin and body protection

Chemical resistant gloves. Safety boots per local regulations.

Respiratory protection

Use a NIOSH/MSHA respirator unless adequate local exhaust is provided and air testing shows exposure levels are within recommended exposure guidelines.

Hygiene measures

A safety shower and eye wash station should be available for emergency use.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Styrene	40 ppm STEL 170 mg/m ³ STEL 20 ppm TWA 85 mg/m ³ TWA	75 ppm STEL 50 ppm TWA	20 ppm TWA 40 ppm STEL	40 ppm STEL 170 mg/m ³ STEL 20 ppm TWA 85 mg/m ³ TWA	40 ppm STEL 20 ppm TWA	40 ppm STEL 20 ppm TWA	100 ppm STEL 35 ppm TWA	40 ppm STEL 20 ppm TWA	100 ppm STEV 426 mg/m ³ STEV 50 ppm TWA 213 mg/m ³ TWA	40 ppm STEL 20 ppm TWA
Talc	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	3 mg/m ³ TWA	2 mg/m ³ TWA
Titanium dioxide	10 mg/m ³ TWA	10 mg/m ³ TWA 3 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	20 mg/m ³ STEL 10 mg/m ³ TWA
Quartz	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.1 mg/m ³ TWA	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.10 mg/m ³ TWA	0.025 mg/m ³ TWA	0.1 mg/m ³ TWA	0.05 mg/m ³ TWA
Dimethyl acetamide	10 ppm TWA 36 mg/m ³ TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA 36 mg/m ³ TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA 36 mg/m ³ TWA	15 ppm STEL 10 ppm TWA
Aniline	2 ppm TWA 7.6 mg/m ³ TWA	2 ppm TWA	2 ppm TWA	2 ppm TWA 7.6 mg/m ³ TWA	2 ppm TWA	2 ppm TWA	2 ppm TWA	2 ppm TWA	2 ppm TWA 7.6 mg/m ³ TWA	4 ppm STEL 2 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Paste
Color	Light yellow
Odor	Slight Hydrocarbon
Odor threshold	0.15-25 ppm
pH	Not applicable
Melting point/range °C	Not available
Melting point/range °F	Not available

Boiling point/range °C	145 °C
Boiling point/range °F	293 °F
Flash point °C	32
Flash point °F	89.6
Flash point method used	Closed cup
Evaporation rate	No data available
Flammability (Solid, Gas)	Not available
Lower explosion limit	0.9 %
Upper explosion limit	6.8 %
Vapor pressure	No data available
Vapor density	>1 (Air = 1)
Relative density	0.973
Solubility	slightly soluble in water
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	490 °C
Autoignition temperature °F	914 °F
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	31000 cP

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal temperature and pressure.
Chemical stability	Stable.
Possibility of hazardous reactions	None under normal conditions of use.
Conditions to avoid	Avoid heat. Avoid contact with strong oxidizing agents. Avoid heat, sparks, and other sources of ignition. Explosive reactions can occur in the presence of strong oxidizing agents.
Incompatible materials	Oxidizers.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Dermal. Eyes. Inhalation.

Symptoms

May cause irritation of the nose and throat. May cause eye irritation. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).

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

May cause an allergic skin reaction. Causes damage to the central nervous system and respiratory system. Skin. Lungs. Eyes. May cause allergic respiratory reaction. Repeated or prolonged exposure to respirable crystalline silica may cause chronic lung injury (silicosis). Silicosis is a fibronodular lung disease that occurs after occupational exposure to crystalline silica for 5 years or longer. Prolonged inhalation of crystalline silica above safe exposure limits can cause cancer.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Styrene	= 11.7 mg/L (Rat) 4 h	-	= 1000 mg/kg (Rat)
Talc	-	-	-
Titanium dioxide	-	-	> 10000 mg/kg (Rat)
Quartz	-	-	-
Dimethyl acetamide	= 8.81 mg/L (Rat) 1 h = 2475 ppm (Rat) 1 h	= 2240 mg/kg (Rabbit) > 2 g/kg (Rat)	= 4263 mg/kg (Rat)
Aniline	= 1.82 mg/L (Rat) 4 h = 1 mg/L (Rat) 4 h	= 1400 mg/kg (Rat) = 442 mg/kg (Rat)	= 250 mg/kg (Rat) = 440 mg/kg (Rat)

ATEmix (dermal)

Not available

ATEmix (oral)

Not available

ATEmix (inhalation-gas)

Not available

ATEmix (inhalation-vapor)

Not available

ATEmix (inhalation-dust/mist)

Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Styrene	A4	Group 2B	Listed	Reasonably Anticipated Carcinogen
Talc	-	Group 2B Group 3	Listed	-
Titanium dioxide	A4	Group 2B	Listed	-
Quartz	-	Group 1	Listed	Known Carcinogen
Dimethyl acetamide	A4	-	-	-
Aniline	A3	Group 3	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Styrene	-	IARC 2B	ACGIH A4	ACGIH A4	ACGIH A4	C3 carcinogen
Talc	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Titanium dioxide	-	IARC 2B	ACGIH A4	ACGIH A4	ACGIH A4	-
Quartz	-	ACGIH Category A2 - Suspected Human Carcinogen; IARC Category 1 - Human Carcinogen ACGIH A2 IARC 1	ACGIH A2	-	ACGIH A2	C2 carcinogen
Dimethyl acetamide	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Aniline	-	-	ACGIH A3	ACGIH A3	ACGIH A3	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Styrene	1.4: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.46 - 4.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.72: 96 h Pseudokirchneriella subcapitata mg/L EC50 0.15 - 3.2: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	3.24 - 4.99: 96 h Pimephales promelas mg/L LC50 flow-through 19.03 - 33.53: 96 h Lepomis macrochirus mg/L LC50 static 6.75 - 14.5: 96 h Pimephales promelas mg/L LC50 static 58.75 - 95.32: 96 h Poecilia reticulata mg/L LC50 static
Talc	-	100: 96 h Brachydanio rerio g/L LC50 semi-static
Titanium dioxide	-	-
Quartz	-	-
Dimethyl acetamide	500: 72 h Desmodesmus subspicatus mg/L EC50	500: 96 h Leuciscus idus mg/L LC50 static
Aniline	-	68.4 - 83.4: 96 h Pimephales promelas mg/L LC50 flow-through 40.7 - 59.1: 96 h Lepomis macrochirus mg/L LC50 flow-through 12.6 - 108: 96 h Oryzias latipes mg/L LC50 flow-through 101 - 131: 96 h Poecilia reticulata mg/L LC50 7.4 - 15.3: 96 h Oncorhynchus mykiss mg/L LC50 flow-through

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Styrene 100-42-5	100-42-5	2.95
Talc 14807-96-6	14807-96-6	-
Titanium dioxide 13463-67-7	13463-67-7	-
Quartz 14808-60-7	14808-60-7	-
Dimethyl acetamide 127-19-5	127-19-5	0.8
Aniline 62-53-3	62-53-3	0.9

Mobility in soil Not available.

Other adverse effects Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs

13. DISPOSAL CONSIDERATIONS

Disposal information This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN3269
 Proper shipping name Polyester resin kit
 Hazard Class(es) 3
 Packing group III
 Special Provisions LTD QTY 5L or <

TDG

ID-No UN3269
 Proper shipping name Polyester resin kit
 Hazard Class(es) 3
 Packing group III
 Special Provisions LTD QTY 5L or <

IATA

ID-No UN3269
 Proper shipping name Polyester resin kit
 Hazard Class(es) 3
 Packing group III
 Special Provisions LTD QTY 5kg or <

IMDG/IMO

ID-No UN3269
 Proper shipping name Polyester resin kit
 Hazard Class(es) 3
 Packing group III
 EmS No F-E, S-D
 Special Provisions LTD QTY 5L or <

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Styrene	100-42-5	-	-	-
Talc	14807-96-6	-	-	-
Titanium dioxide	13463-67-7	-	-	-
Quartz	14808-60-7	-	-	-
Dimethyl acetamide	127-19-5	-	-	-
Aniline	62-53-3	X	-	X

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. 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 on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations**U.S. state Right-to-Know regulations**

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Styrene	100-42-5	X	X	X
Talc	14807-96-6	X	X	X
Titanium dioxide	13463-67-7	X	X	X
Quartz	14808-60-7	X	X	X
Dimethyl acetamide	127-19-5	X	X	X
Aniline	62-53-3	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Styrene	100-42-5	Carcinogen
Talc	14807-96-6	-
Titanium dioxide	13463-67-7	Carcinogen
Quartz	14808-60-7	Carcinogen
Dimethyl acetamide	127-19-5	Developmental Male Reproductive
Aniline	62-53-3	Carcinogen

U.S. Federal Regulations**US EPA SARA 313**

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Styrene	100-42-5	1000 lb 454 kg	0.1 %
Talc	14807-96-6	-	-
Titanium dioxide	13463-67-7	-	-
Quartz	14808-60-7	-	-
Dimethyl acetamide	127-19-5	-	-
Aniline	62-53-3	5000 lb 2270 kg	1.0 %

**US EPA SARA 311/312
hazardous categorization**

Fire Hazard
Acute Health Hazard

Chronic Health Hazard

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Styrene	X	X	-
Talc	X	X	-
Titanium dioxide	X	X	-
Quartz	X	X	-
Dimethyl acetamide	X	X	-
Aniline	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 2
 Flammability 3
 Instability 0

HMIS

Health 2
 Flammability 3
 Physical hazards 0

Notice: 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. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
 ATE (Average Toxicity Estimate)
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
 HMIS (Hazardous Materials Identification System)
 IARC (International Agency for Research on Cancer)
 IATA (International Air Transport Association)
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
 NFPA (National Fire Protection Association)
 NTP (National Toxicology Program)
 OEL (Occupational Exposure Level)
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 PEL (Permissible Exposure Limit)
 TSCA (Toxic Substance Control Act)
 USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet