SAFETY DATA SHEET

Date of Issuance/Date of Revision: 10/13/2018

Version Number: 2

Section 1: Identification

Product Name: **FS-34079: FOREST GREEN**

Product Code: **TCP-1213**

Other Means of Identification: Not Available.

Product Type: Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use: Hobby Applications.

Use of the substance or mixture: Coating, Paints, or Painting-related materials

Uses advised against: Not applicable

Manufacturer: Tru-Color Paint
4220 West Opportunity Way
Suite 104
Phoenix, AZ 85086 USA

Emergency Telephone Number: Call U.S. Environmental Protection Agency's National Response Center
1 (800) 424-8802

Technical Phone Number: (714) 488-9779 (Phoenix, AZ) 8:00 a.m. - 5:00 p.m. (Arizona Standard Time)

Section 2: Hazards Identification

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

Classification of the Substance or Mixture: FLAMMABLE LIQUIDS- Category 2
SKIN IRRITATION- Category 2
EYE IRRITATION- Category 2A
CARCINOGENICITY- Category 2
TOXIC TO REPRODUCTION (Unborn Child)- Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic Effect)- Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), hearing organs, kidneys, and liver)- Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 25.1% (Oral), 26.4% (Dermal), 39.9% (Inhalation)

This product contains TiO_2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many TCP products, TiO_2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO_2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO_2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of

Section 2: Hazards Identification

appropriate personal protective equipment and/or engineering controls (see Section 8.)

GHS Label Elements

Hazard Pictograms:

Signal Word: Danger

Hazard Statements:

Highly flammable liquid and vapor.
Causes serious eye irritation.
Causes skin irritation.
Suspected of damaging the unborn child.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Causes damage to organs through prolonged or repeated exposure. (Central nervous system (CNS), hearing organs, kidneys, liver)

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.

Response: Get medical attention if you feel unwell. ID exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POSION CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irradiation persists: Get medical attention.

Storage: Store locked up. Store in well-ventilated place. Keep cool.

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

Supplemental Label Elements: Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

Hazards Not Otherwise Classified: Prolonged or repeated contact may dry skin and cause irritation.

Section 3: Composition/Information on Ingredients

Substance or Mixture: Mixture

Product Name: FS-34079: FOREST GREEN

Ingredient Name	%	CAS Number
Isopropyl alcohol	≥ 13 - ≤ 35	67-63-0
Toluene	≥ 2 - ≤ 6	108-88-3
Xylene	≥ 2 - ≤ 6	1330-20-7
Acetone	≥ 12 - ≤ 28	67-64-1
n-Butyl Acetate	≥ 2 - ≤ 6	123-86-4
4-hydroxy-4-methylpentan-2-one	≥ 13 - ≤ 35	123-42-2
2-methoxy-1-methylethyl acetate	≥ 5 - ≤ 11	108-65-6
Titanium Dioxide	≥ 0.5 - ≤ 3	13463-67-7
Ethylbenzene	≤ 1.0	100-41-4
Butanone	≥ 3 - ≤ 9	78-93-3
Carbon Black, respirable powder	≤ 0.5	1333-86-4
Surfactant	≤ 1.5	Not Available.
Crystalline Silica, Respirable Powder, < 10 microns	≤ 0.5	14808-60-7
Poly(oxy-1,2-ethanediyl),α-tridecyl-ω-hydroxy-phosphate	≤ 0.8	9046-01-9

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

Occupational Exposure limits, if applicable, are listed in section 8.

Section 4: First Aid Measures

If ingestion, irritation, and type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye Contact: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleaner. Do NOT use solvents or thinners.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye Contact: Causes serious Eye irritation.

Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin Contact: Causes Skin irritation. Defatting to the skin.

Ingestion: Can cause central nervous system (CNS) depression.

Section 4: First Aid Measures

Over-exposure signs/symptoms

Eye Contact:	Adverse Symptoms may include the following: Pain or irritation Watering Redness
Inhalation:	Adverse Symptoms may include the following: Nausea or vomiting Headache Drowsiness or fatigue Dizziness or vertigo Unconsciousness Reduced fetal weight Increase in fetal deaths Skeletal malformations
Skin Contact:	Adverse Symptoms may include the following: Irritation Redness Dryness Cracking Reduced fetal weight Increase in fetal deaths Skeletal malformations
Ingestion:	Adverse Symptoms may include the following: Reduced fetal weight Increase in fetal deaths Skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatment:	No specific treatment.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5: Fire-fighting Measures

Extinguishing media

Suitable extinguishing media:	Use dry chemical, CO_2, water spray (fog) or foam.
Unsuitable extinguishing media:	Do not use water jet.

Specific hazards arising from the chemical:

Highly flammable liquid or vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products:

Section 5: Fire-fighting Measures

Decomposition products may include the following materials: carbon oxides.

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the accident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from the area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

Fire fighters should wear protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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 the 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 materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, if water-insoluble, absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth vermiculite or diatomaceous earth) and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and Storage

Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure- obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get into eyes or on skin or clothing. Do not breath vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or

Section 7: Handling and Storage

approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

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:

Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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.

Section 8: Exposure Controls/Personal Protection

Control Parameters

+Occupational exposure limits

Ingredient Name	Exposure Limits
Isopropyl alcohol	**ACGIH TLV (United States, 3/2017).** STEL: 400 ppm, 15 minutes. TWA: 200 ppm, 8 hours **OSHA PEL (United States, 6/2016).** TWA: 980 mg/m^3 8 hours. TWA: 400 ppm 8 hours.
Toluene	**OSHA PEL Z2 (United States, 2/2013).** AMP: 500 ppm 10 minutes. CEIL: 300 ppm. TWA: 200 ppm 8 hours. **ACGIH TLV (United States, 3/2017).** TWA: 20 ppm 8 hours.
Xylene	**ACGIH TLV (United States, 3/2017).** STEL: 651 mg/m^3 15 minutes. STEL: 150 ppm 15 minutes TWA: 434 mg/m^3, 8 hours TWA: 100 ppm 8 hours. **OSHA PEL (United States, 6/2016).** TWA: 435 mg/m^3 8 hours. TWA: 100 ppm 8 hours.
Acetone	**ACGIH TLV (United States, 3/2017).** STEL: 500 ppm 15 minutes.

	TWA: 250 ppm 8 hours. **OSHA PEL (United States, 6/2016).** TWA: 2400 mg/m^3 8 hours. TWA: 1000 ppm 8 hours.
n-Butyl Acetate	**OSHA PEL (United States, 6/2016).** TWA: 710 mg/m^3 8 hours. TWA: 150 ppm 8 hours. **ACGIH TLV (United States, 3/2017).** STEL: 150 ppm 15 minutes TWA: 50 ppm 8 hours.
4-hydroxy-4-methylpentan-2-one	**ACGIH TLV (United States, 3/2017).** TWA: 238 mg/m^3 8 hours. TWA: 50 ppm 8 hours. **OSHA PEL (United States, 6/2016).** TWA: 240 mg/m^3 8 hours TWA: 50 ppm 8 hours.
+2-methoxy-1-methylethyl acetate	**IPEL (PPG, 10/2017). Absorbed through the skin.** TWA: 30 ppm STEL: 90 ppm.
Titanium Dioxide	**OSHA PEL (United States, 6/2016).** TWA: 15 mg/m^3 8 hours FORM: Total Dust **ACGIH TLV (United States, 3/2017).** TWA: 10 mg/m^3 8 hours
Ethylbenzene	**ACGIH TLV (United States, 3/2017).** TWA: 20 ppm 8 hours. **OSHA PEL (United States, 6/2016).** TWA: 435 mg/m^3 8 hours. TWA: 100 ppm 8 hours.
Butanone	**ACGIH TLV (United States, 3/2017).** STEL: 885 mg/m^3 15 minutes. STEL: 300 ppm 15 minutes TWA: 590 mg/m^3 8 hours. TWA: 200 ppm 8 hours. **OSHA PEL (United States, 6/2016).** TWA: 590 mg/m^3 8 hours. TWA: 200 ppm 8 hours.
Carbon Black, respirable powder	**ACGIH TLV (United States, 3/2017).** TWA: 3 mg/m^3, 8 hours FORM: Inhalable fraction **OSHA PEL (United States, 6/2016).** TWA: 3.5 mg/m^3, 8 hours
Surfactant	NONE
Crystalline Silica, Respirable Powder, < 10 microns	NONE
Poly(oxy-1,2-ethanediyl),α-tridecyl-ω-hydroxy-phosphate	**ACGIH TLV (United States, 3/2017).** TWA: 10 mg/m^3, 8 hours FORM: Respirable **OSHA PEL Z3 (United States, 6/2016).** TWA: 300 10 mg/m^3/ (% SiO_{2+2}) 8 hours FORM: Respirable TWA: 250 millipascals per cubic foot / (% SiO_{2+2}) 8 hours FORM: Respirable TWA: 50 mg /m^3, 8 hours FORM: Respirable Dust

Key to abbreviations

A=	Acceptable Maximum Peak	S=	Potential Skin Absorption
ACGIH=	American Conference of Governmental Industrial Hygienists	SR=	Respiratory Sensitization
C=	Ceiling Limit	SS=	Skin Sensitization
F=	Fume	STEL=	Short-term Exposure Limit Values
IPEL=	Internal Permissible Exposure Limit	TD=	Total Dust
OSHA=	Occupational Safety and Health Administration	TLV=	Threshold Limit Value
R=	Respirable	TWA=	Time Weighted Average

Section 8: Exposure Controls/Personal Protection

Z= OSHA 29 CFR 1910.1200 Subpart Z- Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls: Use only with adequate ventilation. Use appropriate enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls: Emissions from ventilation of 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 and 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: Chemical splash goggles.

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.

Gloves: For prolonged or repeated handling, use the following type of gloves:

Recommended: Butyl rubber, polyvinyl alcohol (PVA), Viton®
May be used: Nitrile rubber.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling the product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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

Section 8: Exposure Controls/Personal Protection

Respiratory protection:	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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9: Physical and Chemical Properties

Appearance

Physical state:	Liquid.
Color:	Not Available.
Odor:	Not Available.
Odor threshold:	Not Available.
pH:	Not Available.
Melting point:	Not Available
Boiling point:	> 37.78°C (> 100°F)
Flash point:	Open cup: -6.67°C (20°F)
Auto-ignition temperature:	Not Available.
Decomposition temperature:	Not Available.
Flammability (For solid, gas):	Not Available.
Lower and Upper Explosive (flammable) limits:	Lower: 1.9%
Evaporation rate:	2.83 (butyl acetate = 1)
Vapor pressure:	7.8kPa (58.5 mm Hg)[room temperature]
Vapor density:	Not Available.
Relative density:	1.01
Density (lbs/gal):	8.47
Solubility:	Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water:	Not Available.
Viscosity:	Kinematic (40° C (104° F)): > 0.21 cm^2/s (> 21 CSt)
Volatility:	92% (v/v), 78.55% (w/w)
% Solid. (w/w):	21.45

Section 10: Stability and Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	This product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

Section 10: Stability and Reactivity

Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11: Toxicological Information

Information on toxicological effects

+Acute toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Isopropyl Alcohol	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	72600 mg/m^3 12800 mg/kg 4.396 g/kg	4 hours --- ---
+Toluene	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	49 g/m^3 8.39 g/kg 636 mg/kg	4 hours --- ---
+Xylene	LD50 Dermal LD50 Oral	Rabbit Rat	> 1.7 g/kg 4.3 g/kg	--- ---
Acetone	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	76000 mg/m^3 20 g/kg 1.8 g/kg	4 hours --- ---
n-Butyl Acetate	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	> 21.1 mg/l 2000 ppm > 17600 mg/kg 10.768 g/kg	4 hours 4 hours --- ---
4-hydroxy-4-methylpentan-2-one	LD50 Dermal LD50 Oral	Rabbit Rat	13500 mg/kg 2520 mg/kg	--- ---
2-methoxy-1-methylethyl acetate	LD50 Dermal LD50 Oral	Rabbit Rat	> 5g/kg 8532 mg/kg	--- ---
+Titanium Dioxide	LD50 Inhalation Dusts & Mists LD50 Dermal LD50 Oral	Rat Rabbit Rat	> 6.82 ml/l > 5000 mg/kg > 5000 mg/kg	4 hours --- ---
Surfactant	LD50 Dermal LD50 Oral	Rabbit Rat	> 3000 mg/kg > 10000 mg/kg	
+Ethylbenzene	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	17.8 mg/l 17.8 g/kg 3.5 g/kg	4 hours --- ---
Butanone	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat (mg/kg) Rabbit Rat	11243 ppm 6480 mg/kg 2737 mg/kg	4 hours --- ---
Carbon Black, respirable powder	LD50 Dermal LD50 Oral	Rabbit Rat	> 3g/kg > 15400 mg/kg	--- ---
Poly(oxy-1,2-ethanediyl),α-tridecyl-ω-hydroxy-phosphate	LD50 Dermal	Rat	> 2000 mg/kg	---

Conclusion/Summary: There are no data on the mixture itself.

Irritation/Corrosion

Product/Ingredient Name	Result	Species	Score	Exposure	Observation
Xylene	Skin- Moderate irritant	Rabbit	---	24 hours 500 mg	---

Conclusion/Summary

Skin: There are no data available on the mixture itself.

Eyes: There are no data available on the mixture itself.

Respiratory: There are no data available on the mixture itself.

Section 11: Toxicological Information

Sensitization

Conclusion/Summary

Skin: There are no data available on the mixture itself.

Respiratory: There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary: There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Classification

Product/Ingredient Name	OSHA	IARC	NTP
Isopropyl Alcohol	---	3	---
Toluene	---	3	---
Xylene	---	3	---
Titanium Dioxide	---	2B	---
Ethylbenzene	---	2B	---
Carbon Black, Respirable Powder	---	2B	---

Carcinogen Classification Code:

IARC: 1, 2A, 2B, 3, 4
NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen.
OSHA: +
Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Isopropyl Alcohol	Category 3
Toluene	Category 3
Xylene	Category 3
Acetone	Category 3
n-Butyl Acetate	Category 3
4-hydroxy-4-methylpentane-2-one	Category 3
Butanone	Category 3
Surfactant	Category 3
Poly(oxy-1,2-ethanediyl),α-tridecyl-ω-hydroxy-phosphate	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
Toluene	Category 2
Xylene	Category 2
Ethylbenzene	Category 2
Crystalline Silica, Respirable Powder, < 10 microns	Category 3

Target organs: Contains material which causes damage to the following organs: brain. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, heart, spleen, peripheral nervous system, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea, testes.

Section 11: Toxicological Information

Aspiration hazard

Name	Result
Toluene	ASPIRATION HAZARD- Category 1
Xylene	ASPIRATION HAZARD- Category 1
Ethylbenzene	ASPIRATION HAZARD- Category 1

Information on the likely routes of exposure

Potential acute health effects

Eye contact: Causes serious eye irritation.

Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact: Causes skin irritation. Defatting to the skin.

Ingestion: Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
Pain or irritation
Watering
Redness

Inhalation: Adverse symptoms may include the following:
Nausea or vomiting
Headache
Drowsiness/fatigue
Dizziness/vertigo
Unconsciousness
Reduced fetal weight
Increase in fetal deaths
Skeletal malformations

Skin contact: Adverse symptoms may include the following:
Irritation
Redness
Dryness
Cracking
Reduced fetal weight
Increase in fetal deaths
Skeletal malformations

Ingestion: Adverse symptoms may include the following:
Reduced fetal weight
Increase in fetal weight
Skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary: There are no data available on the mixture itself. This product contains TiO_2 which has been classified as a GHS Carcinogen Category 2 based on IARC 2B classification. For many TCP products, TiO_2 is utilized as a raw material in a liquid coating formulation. In this case, TiO_2 are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO_2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering control (see Section 8.) Exposure to

Section 11: Toxicological Information

component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse effects on the kidneys, liver and central nervous system. Systems and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short-term exposure

Potential immediate effects: There are no data available on the mixture itself.

Potential delayed effects: There are no data available on the mixture itself.

Long-term exposure

Potential immediate effects: There are no data available on the mixture itself.

Potential delayed effects: There are no data available on the mixture itself.

Potential chronic health effects

General: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: Suspected of damaging the unborn child.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE Value
Oral	12293.9 mg/kg
Dermal	11974.8 mg/kg
Inhalation (gases)	31720.6 ppm
Inhalation (vapors)	82.83 mg/l
Inhalation (dusts and mists)	10.73 mg/l

Section 12: Ecological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Isopropyl Alcohol	Acute EC50 10100 mg/l Fresh water	Daphnia- Daphna Magna	48 Hours
2-methoxy-1-methylethyl acetate	Acute LC50 161 mg/l Fresh water	Fish	96 Hours
Titanium Dioxide	Acute LC50 > 100 mg/l Fresh water	Daphnia- Daphnia Magna	48 Hours
Ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish- Lepornis macrochirus- Young of the year	96 Hours

Section 12: Ecological Information

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetone	---	---	Readily
Toluene	---	---	Readily
Xylene	---	---	Readily
Ethylbenzene	---	---	Readily

Bioaccumulative potential

Product/ingredient name	Log P_{ow}	BCF	Potential
Isopropyl Alcohol	0.05	---	Low
Acetone	-0.24	3	Low
Toluene	2.73	8.32	Low
Xylene	3.16	7.4 to 18.5	Low
n-Butyl Acetate	1.78	---	Low
4-hydroxy-4-methylpentan-2-one	-0.14 to 1.03	---	Low
2-methoxy-1-methylethyl acetate	0.56	---	Low
Ethylbenzene	3.15	79.43	Low
Butanone	0.29	---	Low

Mobility in soil

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

Section 13: Disposal Considerations

Disposal methods: The generation of waste should be avoided or minimized whatever 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. Incineration or landfill should 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 emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures.

Section 14: Transport Information

	DOT	IMDG	IATA
UN Number	UN 1263	UN 1263	UN 1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group	II	II	II
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not Applicable.	Not Applicable.	Not Applicable.
Product RQ (lbs.)	1454.2	Not Applicable.	Not Applicable.
RQ substances	(xylene , toluene)	Not Applicable.	Not Applicable.

Section 14: Transport Information

Additional Information

DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG: None identified.

IATA: None identified.

Special precautions for user: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15: Regulatory Information

United States

United States inventory (TSCA 8b): All components are listed or exempted.

SARA 302/304

SARA 304 RQ: Not Applicable

Composition/information on ingredients

No products were found.

SARA 311/312

Classification: FLAMMABLE LIQUIDS- Category 2
SKIN IRRITATION- Category 2
EYE IRRITATION- Category 2A
CARCINOGENICITY- Category 2
TOXIC TO REPRODUCTION (Unborn Child)- Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), hearing organs, kidneys, liver)- Category 2
HNOC- Defatting irritant

+Composition/information on ingredients

Name	%	Classification
+Isopropyl Alcohol	≥ 13 - ≤ 35	FLAMMABLE LIQUIDS- Category 2 EYE IRRITATION- Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3
Toluene	≥ 2 - ≤ 6	FLAMMABLE LIQUIDS- Category 2 SKIN IRRITATION- Category 2 TOXIC TO REPRODUCTION (Unborn Child)- Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)- Category 2 ASPIRATION HAZARD- Category 1 HNOC- Defatting Irritant
Xylene	≥ 2 - ≤ 6	FLAMMABLE LIQUIDS- Category 3 ACUTE TOXICITY (dermal)- Category 4 ACUTE TOXICITY (inhalation)- Category 4 SKIN IRRITATION- Category 2 EYE IRRITATION- Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED

		EXPOSURE) (central nervous system (CNS), kidneys, liver)- Category 2 ASPIRATION HAZARD- Category 1
+Acetone	≥ 12 - ≤ 28	FLAMMABLE LIQUIDS- Category 2 EYE IRRITATION- Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3 HNOC- Defatting Irritant
n-Butyl Acetate	≥ 2 - ≤ 6	FLAMMABLE LIQUIDS- Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3 HNOC- Defatting Irritant
4-hydroxy-4-methylpentan-2-one	≥ 13 - ≤ 35	FLAMMABLE LIQUIDS- Category 3 EYE IRRITATION- Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3
2-methoxy-1-methylethyl acetate	≥ 5 - ≤ 11	None
Titanium Dioxide	≥ 0.5 - ≤ 3	CARCINOGENICITY- Category 2
Ethylbenzene	≤ 1.0	FLAMMABLE LIQUIDS- Category 2 ACUTE TOXICITY (inhalation)- Category 4 CARCINOGENICITY- Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)- Category 2 ASPIRATION HAZARD- Category 1 HNOC- Defatting Irritant
Butanone	≥ 3 - ≤ 9	FLAMMABLE LIQUIDS- Category 2 EYE IRRITATION- Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3 HNOC- Defatting Irritant
Surfactant	≤ 1.5	SKIN IRRITATION- Category 2 EYE IRRITATION- Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)- Category 3
Carbon Black, Respirable Powder	≤ 0.5	COMBUSTIBLE DUSTS CARCINOGENICITY- Category 2
Crystalline Silica, Respirable Powder, < 10 microns	≤ 0.5	CARCINOGENICITY- Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)- Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (Inhalation)- Category 1
Poly(oxy-1,2-ethanediyl),α-tridecyl-ω-hydroxy-phosphate	≤ 0.8	SKIN IRRITATION- Category 2 SERIOUS EYE DAMAGE- Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory Tract Irritation)- Category 3

SARA 313

	Chemical Name	CAS Number	Concentration
Supplier notification:	Toluene	108-88-3	2 - 6
	Xylene	1330-20-7	2 - 6
	Ethylbenzene	100-41-4	≤ 1.0

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

California Prop. 65

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

Section 16: Other Information

Hazardous Material Information System (U.S.A.)

Health: 2 * Flammability: 3 Physical Hazards: 0
(*) - Chronic effects

Caution: 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® and the associated label are not required on SDS's or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

This customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Health: 2 Flammability: 3 Instability: 0

Date of Previous Issue: **09/26/2018**

Organization that prepared the SDS: Tru-Color Paint

Key to Abbreviations:
ATE= Acute Toxicity Estimate
BCF= Bioconcentration Factor
GHS= Globally Harmonized System of Classification and Labeling of Chemicals
IATA= International Air Transport Association
IBC= Intermediate Bulk Container
IMDG= International Maritime Dangerous Goods
$LogP_{ow}$= Logarithm of the octanol/water partition coefficient
MARPOL= International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 ("Marpol" = marine pollution)
UN= United Nations

+ **Indicates information that has changed from previously issued versions.**

Disclaimer:

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Tru-Color Paint, and to recommend precautionary measures for the storage and handling of products. No warranty or guarantee is given in respect of the properties of products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.