



# SAFETY DATA SHEET

Revision Date 31-May-2019

Version 5

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** 53,792HD130 GREEN  
**Description** DRY PIGMENT DISPERSION

### Other means of identification

**Product Code** 1120442

### Recommended use of the chemical and restrictions on use

**Recommended use** Production of polymeric products.  
**Uses advised against** None known

### Details of the supplier of the safety data sheet

#### **Manufacturer**

Teknor Color Company  
505 Central Avenue  
Pawtucket, RI 02861 USA  
800-556-3864

### SDS Contact (email of responsible person)

TeknorSDS@TeknorApex.com

### Emergency telephone number

ChemTel 24-Hr Emergency Response Telephone Number:  
USA Only: 800-255-3924  
International: 001-813-248-0585  
Contract #: MIS0006505  
China: 0532-83889090

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 2

### Label elements

#### **Signal Word**

Danger

#### **Hazard Statements**

Harmful in contact with skin  
Fatal if inhaled

**Appearance** - Powder**Physical State** - Powder**Odor** - No data available**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wear respiratory protection

IF ON SKIN: Wash with plenty of water and soap  
 Call a POISON CENTER or doctor if you feel unwell  
 Take off contaminated clothing and wash it before reuse  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Immediately call a POISON CENTER or doctor

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654)

**Unknown acute toxicity**

85.276 % of the mixture consists of ingredient(s) of unknown toxicity

**Other Information**

May be harmful if swallowed  
 Toxic to aquatic life with long lasting effects  
 Toxic to aquatic life

**Combustible dust**

May form combustible dust concentrations in air

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
VANADIUM COMPOUNDS	N770	45 - 50
AMORPHOUS SILICA	7631-86-9	20 - 25
TITANIUM DIOXIDE	13463-67-7	10 - 15
ALUMINIUM OXIDE	1344-28-1	1-5
ZINC COMPOUNDS	N982	1-5
Kaolin	1332-58-7	<1

#### 4. FIRST AID MEASURES

##### First Aid Measures

<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
<b>Skin Contact</b>	Wash with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Get medical attention.

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Dry chemical, CO2 or water spray.

**Unsuitable Extinguishing Media** No information available.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

##### Hazardous combustion products

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids.

##### Explosion data

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

##### Protective equipment and precautions for firefighters

Use personal protective equipment as required. In the event of fire and/or explosion do not breathe fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required. Avoid creating dust.

**Other Information** Not Applicable.

##### Environmental Precautions

**Environmental Precautions** See Section 12 for additional Ecological Information.

##### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Pick up and transfer to properly labeled containers. Avoid creating dust.

#### 7. HANDLING AND STORAGE



**Precautions for safe handling****Advice on safe handling**

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed.

**Incompatible Materials**

None known based on information supplied

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL
VANADIUM COMPOUNDS	-	(vacated) TWA: 0.05 mg/m <sup>3</sup> V2O5 respirable dust (vacated) TWA: 0.05 mg/m <sup>3</sup> V2O5 fume Ceiling: 0.5 mg/m <sup>3</sup> V2O5 respirable dust Ceiling: 0.1 mg/m <sup>3</sup> V2O5 fume	Ceiling: 0.05 mg/m <sup>3</sup> V dust and fume 15 min TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup> Ferrovanadium dust	
AMORPHOUS SILICA	-	TWA: 50 µg/m <sup>3</sup> excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 6 mg/m <sup>3</sup> <1% Crystalline silica TWA: 20 mppcf (80)/(%) SiO2 mg/m <sup>3</sup> TWA	IDLH: 3000 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup>	
TITANIUM DIOXIDE	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> CIB 63 fine TWA: 0.3 mg/m <sup>3</sup> CIB 63 ultrafine, including engineered nanoscale	Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>
ALUMINIUM OXIDE	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	-	Mexico: TWA 10 mg/m <sup>3</sup>
ZINC COMPOUNDS	STEL: 10 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> respirable fraction	TWA: 5 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> fume (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) STEL: 10 mg/m <sup>3</sup> fume	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust TWA: 5 mg/m <sup>3</sup> dust and fume STEL: 10 mg/m <sup>3</sup> fume	
Kaolin	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Wear suitable protective clothing.

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Powder		
<b>Appearance</b>	Powder	<b>Odor</b>	No information available
<b>Color</b>	No information available	<b>Odor Threshold</b>	No information available
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks - Method</u></b>	
pH	Not Applicable		
Melting point/freezing point	Not Applicable		
Boiling point / boiling range	Not Applicable		
Flash Point	Not Applicable		
Evaporation Rate	Not Applicable		
Flammability (solid, gas)	Not Applicable		
Flammability Limit in Air			
Upper Flammability Limit	Not Applicable		
Lower Flammability Limit	Not Applicable		
Vapor Pressure	Not Applicable		
Vapor Density	Not Applicable		
Specific Gravity	Not Applicable		
Water solubility	Negligible		
Solubility in other solvents	Not Applicable		
Partition coefficient	Not Applicable		
Autoignition Temperature	Not Applicable		
Decomposition temperature	Not Applicable		
Kinematic viscosity	Not Applicable		
Dynamic viscosity	Not Applicable		
Explosive properties	Not Applicable		
Oxidizing properties	Not Applicable		
Molecular weight	Not Applicable		

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Avoid overheating to minimize fume production.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

Inhalation	May cause irritation.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	

**Information on toxicological effects**

Symptoms No information available.

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

Sensitization No information available.  
 Germ cell mutagenicity No information available.  
 Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
AMORPHOUS SILICA 7631-86-9	-	Group 1	Known	X
TITANIUM DIOXIDE 13463-67-7	-	Group 2B	-	X

Reproductive toxicity No information available.  
 STOT - single exposure No information available.  
 STOT - repeated exposure No information available.  
 Aspiration hazard Not Applicable.

**Numerical measures of toxicity - Product Information**

No information available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No information available

**Persistence and degradability**

Not available.

**Bioaccumulation**

Not available.

**Mobility**

No information available.

**Other adverse effects**

Not available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and



regulations.

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated  
**IATA** Not regulated  
**IMDG** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

TSCA Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	weight-%	SARA 313 - Threshold Values %
VANADIUM COMPOUNDS	N770	45 - 50	1.0
ELEMENTAL Va IN VANADIUM COMPOUNDS	MN770	5 - 10	1.0
ALUMINIUM OXIDE	1344-28-1	1-5	1.0
ZINC COMPOUNDS	N982	1-5	1.0
ELEMENTAL ZINC IN ZINC COMPOUNDS	MN982	1-5	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard NO  
 Chronic Health Hazard NO  
 Fire hazard NO  
 Sudden release of pressure hazard NO  
 Reactive Hazard NO

**US State Regulations****California Proposition 65**

As formulated this product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65	weight-%
AMORPHOUS SILICA	Carcinogen	20 - 25
TITANIUM DIOXIDE	Carcinogen	10 - 15

**Other Regulations****EU Regulation (EC) No. 1907/2006 (REACH)**

As formulated, this product does not contain any ingredients listed as an SVHC above 0.1%.

**Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU and GB/T 26572)**

As formulated, this compound complies with the EU RoHS Directive (2011/65/EU) (RoHS 2, as amended by 2015/863; RoHS 3) and China RoHS 2 (GB/T 26572) and does not contain any restricted materials above threshold levels.

**Conflict Minerals**

As formulated, the raw materials used in this product do not intentionally contain any of the "Conflict Minerals". Conflict Minerals consist of Gold, Columbite-Tantalite (Tantalum), Casserite (Tin), and Wolframite (Tungsten) that originate from the Democratic Republic of Congo or adjoining countries.

<b>16. OTHER INFORMATION</b>
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<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 0	Physical and Chemical Properties -
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Supersedes Date:	29-Jun-2016
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**Disclaimer**

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End of Safety Data Sheet