

Printing date 10/04/2022

Version 2.00

Reviewed on 10/04/2022

**1 Identification****Product identifier**

**Trade name:** KRONOS 9900  
Digital White  
Titanium dioxide pigment concentrate

**Relevant identified uses of the substance or mixture**

**Uses advised against** Production of coatings, printing inks, inks

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** KRONOS (US), Inc.  
5430 LBJ Freeway, Suite 1700  
Dallas, Tx 75240  
+1 (972) 233-1700

**Emergency telephone number:** CHEMTREC: +1-800-424-9300 for transportation emergencies only (U.S.)  
KRONOS: +1-800-866-5600 for other product information (8:00 am – 5:00 pm, central time U.S.)

**2 Hazard(s) identification****Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

**Label elements**

**GHS label elements** Not applicable  
**Hazard pictograms** Not applicable  
**Signal word** Not applicable  
**Hazard statements** Not applicable

**Other hazards** No further relevant information available.

**3 Composition/information on ingredients****Chemical characterization: Mixtures**

**Description:** Titanium dioxide pigment dispersed in water

**Dangerous components:** Not applicable

**4 First-aid measures****Description of first aid measures**

**General information** No special measures required.

**After inhalation** No relevant way of exposure.

**After skin contact** Wash with water and soap and rinse thoroughly.

**After eye contact** Rinse opened eye for several minutes under running water.

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<b>After swallowing</b>	<b>If symptoms persist consult doctor.</b>
	<b>Rinse out mouth and then drink plenty of water.</b>
	<b>If symptoms persist consult doctor.</b>

<b>Most important symptoms and effects, both acute and delayed</b>	<b>No further relevant information available.</b>
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<b>Indication of any immediate medical attention and special treatment needed</b>	<b>No further relevant information available.</b>
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### 5 Fire-fighting measures

<b>Extinguishing media</b>	
<b>Suitable extinguishing agents</b>	<b>Use fire fighting measures that suit the environment.</b>
	<b>The product is not flammable.</b>

<b>Special hazards arising from the substance or mixture</b>	<b>No further relevant information available.</b>
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<b>Advice for firefighters</b>	
<b>Protective equipment:</b>	<b>Use protective measures that suit the hazard conditions.</b>

### 6 Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	<b>Not required.</b>
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<b>Environmental precautions:</b>	<b>Do not allow to enter the ground/soil.</b>
	<b>Do not allow product to reach sewage system or any water course.</b>

<b>Methods and material for containment and cleaning up:</b>	<b>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).</b>
	<b>Dispose contaminated material as waste according to section 13.</b>

<b>Reference to other sections</b>	<b>No dangerous substances are released.</b>
	<b>See Section 7 for information on safe handling</b>
	<b>See Section 8 for information on personal protective equipment.</b>

### 7 Handling and storage

<b>Handling</b>	
<b>Precautions for safe handling</b>	<b>No special measures required.</b>

<b>Information about protection against explosions and fires:</b>	<b>No special measures required.</b>
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The product is not flammable

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from frost.

## 8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see Section 7.

Control parameters  
 Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Not required.

### Exposure controls

Personal protective equipment  
 General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands: Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves: The selection of suitable gloves depends on the type of job, the characteristics of all substances to be handled and on further marks of quality, which may vary from manufacturer to manufacturer. If the product is used in a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses

Body protection: Protective work clothing.

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## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

Form:	Fluid
Color:	White
Odor:	Odorless
Odor threshold:	Not relevant

pH-value at 20°C (68°F): 8.5 - 9.5

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: Not applicable

Ignition temperature: Not applicable

Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive.

Density at 20°C (68°F): 1.60 - 1.70 g/cm<sup>3</sup> (13.352 - 14.1865 lbs/gal)

Vapor density: Not applicable.

Evaporation rate: Not determined.

Solubility in / Miscibility with  
Water: Fully miscible

Partition coefficient (n-octanol/water): Not applicable

##### Viscosity:

dynamic at 25°C (77°F): < 300 mPas (Rheometer, 100 1/s)

kinematic: Not determined.

##### Solvent content:

Solids content: 52 - 56 %

Other information: No further relevant information available.

## 10 Stability and reactivity

### Reactivity

The substance is stable under normal use conditions.

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**Chemical stability****Thermal decomposition /  
conditions to be avoided:****No decomposition under normal use conditions.****Possibility of hazardous  
reactions****No dangerous reactions known****Conditions to avoid****No further data; see Section 7.****Incompatible materials:****No further data; see Section 7.****Hazardous decomposition  
products:****No dangerous decomposition products known.****11 Toxicological information****Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****CAS: 13463-67-7 Titanium dioxide****Oral LD50 > 5,000 mg/kg (rat) (OECD 425)****Dermal LD50 > 5,000 mg/kg (rabbit)****Inhalative LC50/4h > 6.8 mg/l (rat)****CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-  
isothiazol-3-one (3:1)****Inhalative LC50/4h 0.31 mg/l (rat)****Primary irritant effect:****on the skin:****Based on available data, the classification criteria are not met.****on the eye:****Based on available data, the classification criteria are not met.****Sensitization:****No sensitizing effects known.****Subacute to chronic toxicity:****CAS: 13463-67-7 Titanium dioxide****Oral NOAEL 3,500 mg/kg/d (rat) (90 d)****Dermal NOAEL mg/kg/d  
no relevant data available****Inhalative NOAEC 10 mg/m<sup>3</sup> (rat) (90 d)****Carcinogenic categories****IARC (International Agency for Research on Cancer)****CAS: 13463-67-7 Titanium dioxide: 2B**

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**NTP (National Toxicology Program)**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information**

<b>Toxicity</b>	Based on available data, the classification criteria are not met.
<b>Persistence and degradability</b>	Not relevant for inorganic substances.
<b>Bioaccumulative potential</b>	Does not accumulate in organisms
<b>Mobility in soil</b>	The product is immobile in soil.
<b>Other adverse effects</b>	No further relevant information available.

**13 Disposal considerations**

<b>Waste treatment methods Recommendation</b>	Material is not a hazardous waste. Disposal must be made according to all federal, state, and local (municipal) regulations.
<b>Uncleaned packagings: Recommendation:</b>	Disposal must be made according to official regulations.

**14 Transport information**

<b>UN-Number</b>	Not applicable
<b>DOT, ADR/RID/ADN, ADN, IMDG, IATA</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>ADR/RID/ADN, ADN, IMDG, IATA</b>	Not applicable
<b>Transport hazard class(es)</b>	
<b>DOT, ADR/RID/ADN, ADN, IMDG, IATA</b>	
<b>Class</b>	Not applicable
<b>Packing group</b>	
<b>DOT, ADR/RID/ADN, IMDG, IATA</b>	Not applicable
<b>Environmental hazards:</b>	Not an environmentally hazardous substance.
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

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**15 Regulatory information**

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

**SARA**

**Section 355 (Extremely hazardous substances):**

None of the ingredients is listed

**Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed

**Section 311 (TIER 1 notification)**

None of the ingredients is listed.

**TSCA and Canada DSL Status:** All components have the value **ACTIVE**.

**Hazardous Air Pollutants**

None of the ingredients is listed.

**Proposition 65**

**Chemicals known to cause cancer:**

**CAS: 13463-67-7 Titanium dioxide**

**Additional information:** The listing is for titanium dioxide as "airborne, unbound particles of respirable size" and does not cover titanium dioxide when it remains within a product matrix.

**OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)**

**New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

**Pennsylvania Right-to-Know List:**

**CAS: 13463-67-7 Titanium dioxide**

**Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value Notation established by ACGIH)**

**CAS: 13463-67-7 Titanium dioxide: A4 Not classifiable as human carcinogen**

**EU REACH registration status:** All components of the product are registered or exempt from registration.

**Substances of very high concern (SVHC) according to EU REACH, Article 57**

The product is not listed as SVHC, it does not contain any substances of very high concern.

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**Safety Data Sheet  
acc. to OSHA HCS**

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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Contact:** **KRONOS (US), Inc.**  
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**Dallas, Tx 75240**  
**e-mail: SDS-NA@kronosww.com**

**Date of preparation / last revision** **10/04/2022**

**Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit

\* Data compared to the previous version altered.

Conformed to U.S. OSHA HCS 2012