



Safety Data Sheet

SDS#: EAG-N-0002
Revised Date: 1/22/2019

SECTION 1: Product and manufacture Identification

Product Identifier

Product name: Dry Guide Coat White

Product code: **978-0002**

Intended Use of the Product: A powder use in the auto industry to mark area on car bodies that need to be worked on.

Name, Address and Telephone of the Supplier:

Eagle Abrasives, Inc.
4025 Steve Reynolds Blvd., Norcross GA 30093
+1-770-279-8111

24 Hours Emergency Telephone No. North America: 800-633-8253
Spill, Leak, Fire or Accident Call International: 801-629-0667
USA – National Poison Control System Local Poison Action Line: 800-222-1222

SECTION 2: Hazards Identification

GHS-US classification: Not a hazardous substance or mixture.

Hazard Pictograms (GHS-US): Not a hazardous substance or mixture.

Other Hazards which do not result in classification

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients

Substances: Chemical Nature: Inorganic

Ingredient	Product Identifier	Concentration (% w/w)
Titanium dioxide	CAS:13463-67-7	>90 - <=100

Contains no hazardous ingredients according to GHS

SECTION 4: First aid measures

General Advice: Do not leave the victim unattended. Treated symptomatically.

Description of first aid measures

Inhalation: Remove the person to fresh air. If signs / symptoms continue, get medical attention.
If unconscious, place in recovery position and seek medical advice.

Skin contact: Wash off with soap and water.

Eye contact: Rinse immediately with plenty of water, also under the eyelids.
Remove contact lenses.

Ingestion: Rinse mouth with water. If conscious, make the victim drink the following:
Give small amounts of water to drink.

Do not induce vomiting without medical advice.
Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Dust contact with the eyes can lead to mechanical irritation.
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. The product is not irritant but as with all fine powders, can absorb moisture and natural oils from the surface of the skin during prolonged exposure. Individuals with sensitive skin may experience skin drying on prolonged or repeated exposure.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

Notes to physician

No specific measures identified.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:	Product is compatible with standard firefighting agents.
Unsuitable extinguishing media	High volume water jet.
Specific hazards during fire fighting	No information available.
Hazardous combustion products	No hazardous combustion products are known.
Specific extinguishing methods	Cool containers / tanks with water spray. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal Precautions, Protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training.
- Prevent unauthorised persons entering the zone.
- Avoid dust formation.
- Remove all sources of ignition.
- Ventilate the area.
- Avoid breathing dust. Keep people away from and upwind of spill/ leak.
- Only qualified personnel equipped with suitable protective equipment may intervene.
- Never return spills in original containers for re-use.
- Treat recovered material as described in the section "Disposal considerations".
- For disposal considerations see section 13.
- The danger areas must be delimited and identified using relevant warning and safety signs.

Environmental precautions:

Try to prevent the material from entering drains or water courses.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for Containment and cleaning up

Small spillage.	Clean up promptly by sweeping or vacuuming. Keep in suitable, closed containers for disposal.
Large spillage	Approach release from upwind. Clean up promptly by sweeping or vacuuming. Avoid creating dusty conditions and prevent wind dispersal. Keep in suitable, closed containers for disposal.



SECTION 7: Handling and storage

Technical measures:	Ensure that eyewash stations and safety showers are close to the workstation location.
Local / Total ventilation:	Use only with adequate ventilation.
Advice on protection against fire and explosion:	Normal measures for preventive fire protection.
Advice on safe handling:	For personal protection see section 8. Avoid creating dust, Smoking, eating and drinking should be prohibited in the application area. Each work environment must be assessed to determine hazards.
Conditions for safe storage:	Store in accordance with the particular national regulations. Keep only in the original container in a cool, well ventilated place away from oxidizing agents. Keep in a dry place. Keep cool. Protect from sunlight. Eliminate all ignition sources if safe to do so. Keep container closed when not in use. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Use appropriate container to avoid environmental contamination.
Materials to avoid :	No materials to be especially mentioned.
Further information on Storage stability:	Keep in a dry place.

SECTION 8: Exposure controls/personal protection

Components with workplace control parameters

Engineering measures: Ensure adequate ventilation, especially in confined areas. Use engineering controls to keep exposures below the OEL or DNEL

Personal protective equipment

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter types: P2 filter.

Hand protection directive: Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).

Eye protection: Safety eye-wear 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. Ensure that eyewash stations and safety showers are close to the workstations location.

Skin and 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 this product.

Protective measures: Wear suitable protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Smoking, eating and drinking should be prohibited in the application area.

Wash face, hands and any exposed skin thoroughly after handling.

Remove contaminated clothing and protective equipment before entering eating areas.

Barrier creams may help to protect the exposed areas of skin, they should however, not be applied once exposure has occurred.

Wash hands before breaks and at the end of the workday.

SECTION 9: Physical and chemical properties

Information on basic [physical and chemical properties

Physical state	Powder
Color	White
Odor	Slight
Odor threshold	No Data is available on the product itself.
PH	6.5-9, concentration: 100g/l
Relative evaporation rate	No Data is available on the product itself.
Melting point	Ca. 1 800°C
Boiling point	Not applicable
Flash point	Not applicable
Auto-Ignition Temperature	No Data is available on the product itself.
Decomposition temperature	No Data is available on the product itself.
Flammability (Solid, Gas)	No Data is available on the product itself.
Vapor pressure	No Data is available on the product itself.
Relative vapor density	No Data is available on the product itself.
Relative Density (g/ml)	No Data is available on the product itself.
Density (g/cm ³)	Bulk density:1 g/cm ³ , Skeletal density: 4,05g/cm ³ (20°C)
Solubility in water	Not applicable
Viscosity	No Data is available on the product itself.
Other information	No additional information available

SECTION 10: Stability and reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: no decomposition if stored and applied as directed.

Possibility of hazardous reactions: Stable under recommended storage conditions. No hazards to be specially mentioned.

Condition to avoid: No data available.

Incompatibles material: None known.

Hazardous decomposition products: At high temperature, decomposition products could include trace of alpha-ethyl and formaldehyde.

SECTION 11: Toxicological information

Acute toxicity- Components : Titanium dioxide

Acute oral toxicity LD50(Rat, female): > 5 000 mg/kg
Method: OECD Test Guideline 425
Assessment: The substance or mixture has no acute oral toxicity.

Acute inhalation toxicity LC50(Rat, male and female): 3,43 – 5,09 mg/l
Exposure time: 4 h
Test atmosphere: dust / mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity.

Acute dermal toxicity LD50 Dermal(Rabbit): > 10 000 mg/kg
Acute toxicity (other routes of administration) No data available

Skin corrosion / irritation

Components: Titanium dioxide
Species: Rabbit
Assessment: No skin irritation
Method: OECD Test Guideline 404
Result: Normally reversible injuries

Serious eye damage / eye irritation

Components: Titanium dioxide
Species: Rabbit
Assessment: No eye irritation
Method: OECD Test Guideline 405
Result: Normally reversible injuries.

Respiratory or skin sensitisation

Components: Titanium dioxide
Test Type: Local lymph node assay (LLNA)
Exposure routes: Skin
Species: Mouse
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 429
Result: Does not cause skin sensitisation.

Exposure routes: Skin
Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.

Assessment (Skin corrosion / irritation):

No skin irritation, No eye irritation.
Does not cause skin sensitisation.
Does not cause respiratory sensitisation.

Germ cell mutagenicity

Components: Titanium dioxide
Genotoxicity in vitro

Test Type: Ames test
Concentration: 100 – 200 ug/plate
Metabolic activation: with and without metabolic
Activation: Method: OECD Test Guideline 471
Result: Negative

Test Type: In vitro mammalian cell gene mutation test
Concentration: 31 – 500 µg/L
Metabolic activation: with and without metabolic
Activation: Method: OECD Test Guideline 476
Result: Negative

Test Type: Chromosome Negative aberration test in vitro
Concentration: 125 – 2 500 µg/L
Metabolic activation: with and without metabolic
Activation: Method: OECD Test Guideline 473
Result: Negative

Test Type: Micronucleus test
Species: Mouse (males)
Application Route: Inhalation
Exposure time: 5 consecutive days
Dose: 0.8, 7.2 and 28.5 mg/m³
Method: OECD Test Guideline 474
Result: Negative

Test Type: Micronucleus test
Species: Rat (male and female)
Application Route: Oral
Exposure time: Once
Dose: 500, 1 000 and 2 000 mg/kg bw
Method: OECD Test Guideline 474
Result: Negative

Assessment (Germ cell mutagenicity):

Test on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

Carcinogenicity

Components: Titanium dioxide
Species: Rat (male and female)

Application Route: Oral
Exposure time: 103 weeks
Dose: 0, 25 000, 50 000 ppm
Frequency of Treatment: 7 days/week
No observed adverse effect level: > 50,000 ppm
Method: No information available

Remarks:

Titanium Dioxide: based on the results of chronic inhalation studies (with positive results only in a single species - rat), IARC has concluded that: "There is inadequate evidence in humans for the carcinogenicity of titanium dioxide." but that: "There is sufficient evidence in experimental animals for carcinogenicity of titanium dioxide." IARC's overall evaluation was that "titanium dioxide is possibly carcinogenic to humans (Group 2B)."

Venator has examined all of the available animal carcinogenicity and mechanistic data together with workplace epidemiology data for titanium dioxide and concludes that the weight of scientific evidence indicates that there is no causative link between titanium dioxide exposure and cancer risk in humans and that workplace exposures in compliance with applicable exposure standards will not result in lung cancer or chronic respiratory diseases in humans.

Assessment (Carcinogenicity):

Not classifiable as a human carcinogen.

Reproductive toxicity

Effects on fertility:

Components: Titanium dioxide
Species: Rat (male and female)

No data available.
Application Route: Oral
Dose: 100, 300 and 1 000 mg/kg bw
Duration of single Treatment: 20 d
Frequency of Treatment: 7 days/week
General Toxicity Maternal: No observed adverse effect level: 1 000 mg/kg body weight
Developmental Toxicity: No observed adverse effect level: 1 000 mg/kg body weight
Method: OECD Test Guideline 414
Result: No adverse effects

Assessment (Reproductive toxicity):

No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT – single exposure

No data available

STOT – repeated exposure

No data available

Repeated dose toxicity

Components: Titanium dioxide
Species: Rat (male and female)

Dose: 3 500 mg/m³
Application Route: Ingestion
Test atmosphere: dust / mist
Exposure time: 2 yr
Number of exposures: 5 d
Method: Chronic toxicity
Dose: 10 – 50 mg/m³
Application Route: Inhalation
Exposure time: 2 yr
Number of exposures: 6 hours/day, 5 days/week
Method: Chronic toxicity

Components: Titanium dioxide
Species: Rat (male and female)

Assessment (Repeated dose toxicity):

Aspiration toxicity:	No data available on experience with human exposure
Toxicology, Metabolism, Distribution:	No data available
Neurological effects:	No data available
Further information:	No data available

SECTION 12: Ecological information

Components: Titanium dioxide Toxicity to fish	LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10 000mg/l Exposure time: 96 h Test Type: semi-static test Test substance: Marine water Method: OECD Test Guideline 203
Components: Titanium dioxide Plant toxicity	NOEC: 100 000 mg/kg Exposure time: 480 h
Components: Titanium dioxide Sediment toxicity	> 100 000 mg/kg sediment dw Study: Acute Test Type: semi-static test Water: Fresh water Exposure duration: 28 d Species: Gammarus pulex (Amphipod) Method: ASTM Method, other
Components: Titanium dioxide Sediment toxicity	100 000 mg/kg sediment dw Study: Chronic Test Type: semi-static test Water: Fresh water Exposure duration: 28 d Species: Gammarus pulex (Amphipod) Method: ASTM Method, other
Components: Titanium dioxide Sediment toxicity	14 989 mg/kg sediment dw Study: Acute Test Type: semi-static test Water: Marine water Exposure duration: 10 d Species: Gammarus pulex (Amphipod)
Components: Titanium dioxide Toxicity to terrestrial organisms	NOEC: 10 000 mg/kg Exposure time: 672 h
Bioaccumulative potential Components: Titanium dioxide Bioaccumulation	Species: Oncorhynchus mykiss (rainbow trout) Exposure time: 14 d Bioconcentration factor (BCF): 19 – 352 Test substance: Fresh water Method: semi-static test Remarks: Does not bioaccumulate.

SECTION 13: Disposal considerations

Waste Treatment methods	
Regional legislation (waste):	Dispose in accordance with all applicable local, state and federal regulations.
Waste disposal recommendations:	Standard landfill methods consistent with allocable federal, state & local laws.

SECTION 14: Transport information

International regulations

IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

Other international regulations

CH INV	On the inventory, or in compliance with the inventory
DSL	All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
NzloC	On the inventory, or in compliance with the inventory
ENCS	On the inventory, or in compliance with the inventory
KECI	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory
TCSI	On the inventory, or in compliance with the inventory
TSCA	On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NzloC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

California Prop 65: Whilst the producers of titanium dioxide state it is not a human carcinogen this ingredient is listed on the Prop65 list and distributors in this region need to comply with local Prop65 regulations pertaining to labelling.
WARNING: This product contains chemical known to the State of California to cause cancer... Titanium Dioxide (Airborne, unbound, particles of respirable size), For more information visit [www. P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

SECTION 16: Other information

Other information : The information provided in this Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the test. the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE. IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE. THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.