

**ARTISTR<sup>™</sup> P5001 PIGMENT PRETREATMENT SOLUTION**

Version 2.1

Revision Date 08/13/2014

Ref. 130000129460

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ARTISTR<sup>™</sup> P5001 PIGMENT PRETREATMENT SOLUTION  
MSDS Number : 130000129460

Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-302-774-1000  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

Potential Health Effects  
Skin : May cause skin irritation.

Eyes : May cause eye irritation.

**Carcinogenicity**

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Ethylene vinyl acetate copolymer		<10 %


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Inorganic salt		<10 %
Non regulated ingredients		>80%

**SECTION 4. FIRST AID MEASURES**

- Skin contact : Wash off immediately with plenty of water. Wash contaminated clothing before re-use. Get medical attention if irritation develops and persists.
- Eye contact : Immediately flush eye(s) with plenty of water. Seek medical advice.
- Inhalation : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion : Is not considered a potential route of exposure. If swallowed Do NOT induce vomiting. Call a physician or poison control centre immediately.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties  
Flash point : > 93.3 °C (> 199.9 °F)  
Method : closed cup
- Fire and Explosion Hazard : Not a fire or explosion hazard. Cool closed containers exposed to fire with water spray.
- Suitable extinguishing media : Not combustible.
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Keep containers and surroundings cool with water spray.

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Firefighting Instructions : Immediately evacuate personnel to safe areas. Wear suitable protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool containers/tanks with water spray.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Wear suitable protective equipment.

Spill Cleanup : Contain spill. Soak up with inert absorbent material. Collect and contain contaminated absorbent and dike material for disposal. Keep in suitable, closed containers for disposal. Ventilate the area. Clean contaminated surface thoroughly.

Accidental Release Measures : Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Clean contaminated floors and objects thoroughly while observing environmental regulations.  
Dispose of in accordance with local regulations.

**SECTION 7. HANDLING AND STORAGE**

Handling (Personnel) : Avoid breathing vapours or mist. Do not use in areas without adequate ventilation.  
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Remove contaminated clothing and protective equipment before entering eating areas. Remove and wash contaminated clothing before re-use.

Handling (Physical Aspects) : Avoid formation of aerosol.

Storage : Store at room temperature in the original container. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Keep container closed when not in use. Do not reuse empty container.



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Stable under normal conditions.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : Local exhaust or a laboratory hood should be used when handling the materials. Maintain air concentrations below occupational exposure standards.

Personal protective equipment  
Respiratory protection : Provide adequate ventilation. No personal respiratory protective equipment normally required. Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Hand protection : Material: Impervious gloves  
Additional protection: Gloves must be inspected prior to use., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough., The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., The exact break through time can be obtained from the protective glove producer and this has to be observed., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection : Wear safety glasses with side shields.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Lightweight protective clothing  
Safety shoes

Exposure Guidelines  
Exposure Limit Values

Inorganic salt			
AEL *	(DUPONT)	7 mg/m3	8 & 12 hr. TWA

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\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: liquid
Color	: clear
Odor	: odourless
pH	: 5.9
Boiling point	: no data available
Specific gravity	: ca. 1
Water solubility	: miscible

**SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable at normal temperatures and storage conditions.
Conditions to avoid	: None reasonably foreseeable.
Incompatibility	: None reasonably foreseeable.
Hazardous decomposition products	: Decomposition does not occur under normal use conditions.
Hazardous reactions	: Polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Ethylene vinyl acetate copolymer	
Skin irritation	: No skin irritation, Rabbit
Eye irritation	: No eye irritation, Rabbit
Repeated dose toxicity	: Oral - feed Rat
	Liver effects


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Further information	:	The substance is a polymer and is not expected to produce toxic effects.
Inorganic salt		
Dermal LD50	:	> 5,000 mg/kg , Rabbit
Oral LD50	:	2,301 mg/kg , Rat
Skin irritation	:	No skin irritation, Rabbit
Eye irritation	:	Eye irritation, Rabbit
Mutagenicity	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Evidence suggests this substance does not cause genetic damage in animals.
Teratogenicity	:	Animal testing showed no developmental toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity		
Ethylene vinyl acetate copolymer	:	The substance is a polymer and is not expected to produce toxic effects.
Inorganic salt		
96 h LC50	:	Fish (unspecified species) 4,630 mg/l
72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) 27,000 mg/l OECD Test Guideline 201
48 h EC50	:	Daphnia magna (Water flea) 2,400 mg/l OECD Test Guideline 202
21 d	:	EC50 Daphnia magna (Water flea) 610 mg/l
Environmental Fate		
Inorganic salt		
Biodegradability	:	Biodegradable Not applicable



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Bioaccumulation : Does not bioaccumulate.

**SECTION 13. DISPOSAL CONSIDERATIONS**

- Waste Disposal : If recycling is not practicable, dispose of in compliance with local regulations. Never place unused product down any indoor or out door drain.
- Container Disposal : Do not reuse empty container. Contaminated/not cleaned containers should be treated/handled like product waste. Dispose of container properly. Refer to applicable Local, State/Provincial, and Federal Regulations, as well as industry Standards.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

- TSCA : On the inventory, or in compliance with the inventory
- SARA 313 Regulated Chemical(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- California Prop. 65 : WARNING! This product contains a chemical or chemicals known to the State of California to cause cancer. 1,4-Dioxane , Acetaldehyde , Ethylene oxide , Formaldehyde  
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Ethylene oxide



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PA Right to Know : Substances on the Pennsylvania Hazardous Substances List present at  
Regulated Chemical(s) a concentration of 1% or more (0.01% for Special Hazardous  
Substances): 1,4-Dioxane , Ethylene oxide , Formaldehyde

**SECTION 16. OTHER INFORMATION**

The DuPont Oval Logo is a registered trademark of E.I. du Pont de Nemours and Company.

The information provided in this Safety 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 text.

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