

**TraSys® 500**

Version 2.0

Revision Date 01/22/2014

Ref. 130000115785

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	:	TraSys®500
MSDS Number	:	130000115785
Product Use	:	Release agent, Water-borne coatings
Manufacturer	:	Stoner Incorporated 1070 Robert Fulton Hwy. Quarryville, PA 17566 United States
Product Information	:	1-800-227-5538 (outside the U.S. 1-717-786-7355)
Emergency & Transport Information	:	CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-741-5970)
Other information	:	professional use

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

The hazards of this product are associated mainly with its processing. Inhalation of decomposition products in high concentration may cause shortness of breath (lung oedema). Inhalation of aerosol or fine spray mist may cause serious respiratory problems.

**Potential Health Effects**

Skin	:	May cause skin irritation.
Eyes	:	Contact with eyes may cause irritation.
Inhalation	:	The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Repeated episodes of polymer fume fever may result in persistent lung effects.
Target Organs	:	Respiratory Tract, Liver
Carcinogenicity	:	

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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
Water	7732-18-5	94 - 98 %
Proprietary Resins		1 - 5 %
Propylene Glycol	57-55-6	0 - 5 %
Phosphoric Acid, mixed esters with partially fluorinated alcohol, ammonium salts		<3 %
Polytetrafluoroethylene	9002-84-0	<0.3 %

### **SECTION 4. FIRST AID MEASURES**

- Skin contact : If on skin, rinse well with water. Wash contaminated clothing before re-use. Consult a physician if necessary.
- Eye contact : Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Symptoms may be delayed. Consult a physician.
- Ingestion : DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Call a physician.

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General advice : When symptoms persist or in all cases of doubt seek medical advice.

### **SECTION 5. FIREFIGHTING MEASURES**

#### Flammable Properties

Flash point : does not flash

Thermal decomposition : 300 °C (572 °F)

Fire and Explosion Hazard : In fire conditions, toxic decomposition products may be formed. (see also section 10) Hazardous combustion products: toxic or irritating hydrogen fluoride Carbon monoxide

Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Firefighting Instructions : Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.  
Evacuate personnel to safe areas.

### **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) : Ventilate spill area.

Spill Cleanup : Dike spill. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Avoid subsoil penetration.

### **SECTION 7. HANDLING AND STORAGE**

Handling (Personnel) : Do not breathe vapours or spray mist. Avoid circumstances that produce

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respirable particles unless suitable ventilation and respirator are used. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

**Storage** : Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

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

**Engineering controls** : Use only with adequate ventilation. Do not aerosolize. Do not generate respirable particles unless suitable ventilation or respirator are used. In spray applications, use airless type pressure spray equipment at less than 60 psi, and exhaust ducts, drip pans, or other design features to minimize worker exposure to mists and over-spray.

**Personal protective equipment**  
**Respiratory protection** : Provide adequate ventilation.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
In the case of dust or aerosol formation use respirator with an approved filter.

**Hand protection** : Material: Impervious gloves

**Eye protection** : Safety goggles

**Skin and body protection** : Preventive skin protection  
Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots.

**Exposure Guidelines**  
**Exposure Limit Values**

None established.

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### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: liquid
Color	: white
Odor	: slight
pH	: neutral
Freezing point	: 0 °C (32 °F)
Boiling point	: 100 °C (212 °F)
% Volatile	: 94 - 98 %
Specific gravity	: 1
Water solubility	: dispersible

### **SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable under recommended storage conditions.
Conditions to avoid	: Decomposition temperature 300 °C (572 °F) Decomposes on heating.
Incompatibility	: strong oxidizers Alkali metals, Alkaline earth metals, molecular sieves
Hazardous decomposition products	: Fluorinated compounds, Carbon oxides, nitrogen oxides (NOx), Silicon dioxide, metal oxides, Sulphur compounds, Methanol, Aldehydes , Formaldehyde
Hazardous reactions	: Polymerization will not occur.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Propylene Glycol	
Dermal LD50	: 20,800 mg/kg , rabbit
Oral LD50	: 20,000 mg/kg , rat
Inhalation 4 h LC50	: > 5 mg/l , rat
Skin irritation	: slight irritation, rabbit

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Eye irritation	: slight irritation, rabbit
Skin sensitization	: Patch test on human volunteers did not demonstrate sensitization properties., human
Carcinogenicity	: Did not show carcinogenic effects in animal experiments.
Mutagenicity	: Did not show mutagenic effects in animal experiments. Did not cause genetic damage in cultured mammalian cells. Did not cause genetic damage in cultured bacterial cells.
Reproductive toxicity	: Evidence suggests the substance is not a reproductive toxin in animals.
Teratogenicity	: Did not show teratogenic effects in animal experiments.

### Phosphoric Acid, mixed esters with partially fluorinated alcohol, ammonium salts

Oral LD50	: > 1,000 mg/kg , rat
Inhalation 4 h Acute toxicity estimate	: 0.05 mg/l , rat
Inhalation 4 h ALC - Approximate Lethal Concentration	: 0.086 mg/l , rat
Skin irritation	: No skin irritation, rabbit
Eye irritation	: slight irritation, rabbit
Skin sensitization	: Did not cause sensitization on laboratory animals., mouse
Mutagenicity	: Did not cause genetic damage in cultured bacterial cells.

### Polytetrafluoroethylene

Oral LD50	: > 11,280 mg/kg , rat
Skin irritation	: No skin irritation, rabbit  No skin irritation, human
Skin sensitization	: Does not cause skin sensitization., human Patch test on human volunteers did not demonstrate sensitization properties.

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Repeated dose toxicity : Oral - feed  
rat

No toxicologically significant effects were found.

Further information : The substance is a polymer and is not expected to produce toxic effects.

### **SECTION 12. ECOLOGICAL INFORMATION**

#### Aquatic Toxicity

##### Propylene Glycol

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 51,600 mg/l

96 h EC50 : Pseudokirchneriella subcapitata (green algae) 19,000 mg/l

48 h LC50 : Daphnia magna (Water flea) 43,500 mg/l

##### Phosphoric Acid, mixed esters with partially fluorinated alcohol, ammonium salts

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 24.6 mg/l

96 h LC50 : Rare Gudgeon (Gobiocypris Rarus) 27.7 mg/l

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 67.8 mg/l

48 h EC50 : Daphnia magna (Water flea) > 87.6 mg/l

##### Polytetrafluoroethylene

: The substance is a polymer and is not expected to produce toxic effects.

#### Environmental Fate

##### Propylene Glycol

Biodegradability : 79 %  
Readily biodegradable.

Bioaccumulation : Bioconcentration factor (BCF) : 1.4  
Bioaccumulation is unlikely.

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### **SECTION 13. DISPOSAL CONSIDERATIONS**

- Waste Disposal : In accordance with local and national regulations.
- Environmental Hazards : If recycling is not practicable, dispose of in compliance with local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

### **SECTION 15. REGULATORY INFORMATION**

- TSCA : Listed  
This material contains one or more substances which are subject to a TSCA Section 5 Consent Order or Significant New Use Rule (SNUR).
- : Phosphoric Acid, mixed esters with partially fluorinated alcohol, ammonium salts  
PMN Number: P-09-0293
- SARA 313 Regulated Chemical(s) : SARA 313: 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.
- PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Propylene Glycol



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NJ Right to Know : Substances on the New Jersey Workplace Hazardous Substance List  
Regulated Chemical(s) present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Propylene Glycol

### **SECTION 16. OTHER INFORMATION**

#### HMIS

Health	:	1
Flammability	:	0
Reactivity/Physical hazard	:	0
PPE	:	Personal Protection rating to be supplied by user depending on use conditions.

VOC Content percent by weight : 2.0 percent

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Contact person : MSDS Coordinator, Stoner Incorporated, 1070 Robert Fulton Hwy,  
Quarryville PA, 17566, 1 800-227-5538

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