

Revision Date 01/12/2015

Revision 4



## SAFETY DATA SHEET FIVE STAR / GREENSTAR

### 1. IDENTIFICATION

<b>Product Name</b>	FIVE STAR / GREENSTAR
<b>Identified uses</b>	Industrial use: Screen printing
<b>Uses advised against</b>	The product should not be used for any purpose, other than that described above.
<b>Supplier</b>	MacDermid Autotype Inc. 1675 Winnetka Circle, Rolling Meadows, IL 60008, USA T: 001 847 818 8262 F: 001 847 818 8280 e: SDS@macdermidautotype.com
<b>Emergency Telephone</b>	800-424-9300 (Chemtrec, 24 hours)

### 2. HAZARD(S) IDENTIFICATION

**GHS Pictogram**

No pictogram required.

**OSHA Defined Hazards**

This Product is Not Hazardous under the OSHA Hazard Communication Standard.

**GHS Classification**

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

**WHMIS Label**

Not Classified According to  
WHMIS.

**Controlled Product Classification**

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition Comments**

None of the ingredients are required to be listed.

### 4. FIRST-AID MEASURES

**Description of first aid measures**
**Inhalation**

Not relevant

**Ingestion**

Not relevant

**Skin Contact**

Not relevant

**Eye Contact**

Not relevant

## FIVE STAR / GREENSTAR

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

**Inhalation**

No specific symptoms noted.

**Ingestion**

No specific symptoms noted.

**Skin Contact**

No specific symptoms noted.

**Eye Contact**

No specific symptoms noted.

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

**Notes To The Physician**

No specific first aid measures noted.

## 5. FIRE-FIGHTING MEASURES

**Auto Ignition Temperature (°C)**

Not available.

**Flammability Limit - Lower(%)**

Not applicable.

**Flammability Limit - Upper(%)**

Not applicable.

**Flash point (°C)**

Not applicable.

**Extinguishing Media**

Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media**

None known.

**Hazardous combustion products**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**Protective Equipment For Fire-Fighters**

Use protective equipment appropriate for surrounding materials.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Follow precautions for safe handling described in this material safety data sheet.

**Environmental Precautions**

Not relevant

**Spill Clean Up Methods**

No specific clean-up procedure noted.

## 7. HANDLING AND STORAGE

**Handling**

No specific usage precautions noted.

**Storage**

Store in tightly closed original container in a dry and cool place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredient Comments**

No exposure limits noted for ingredient(s).

**Respiratory Equipment**

Respiratory protection not required.

**Hand Protection**

Hand protection not required.

**Eye Protection**

Not relevant

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**FIVE STAR / GREENSTAR**

<b>Appearance</b>	Clear Translucent or Opaque
<b>Color</b>	Red. or Green.
<b>Odor</b>	None
<b>Solubility</b>	Soluble
<b>Initial boiling point and boiling range</b>	
	Not applicable.
<b>Melting point (°C)</b>	
	Not applicable.
<b>Bulk Density</b>	1.3 kg/l
<b>Vapor density (air=1)</b>	
	Not applicable.
<b>Vapor pressure</b>	
	Not applicable.
<b>Evaporation rate</b>	
	Not applicable.
<b>pH-Value, Diluted Solution</b>	
	Not applicable.
<b>Viscosity</b>	
	Not applicable.
<b>Decomposition temperature (°C)</b>	
	Not available.
<b>Flash point</b>	
	Not applicable.
<b>Auto Ignition Temperature (°C)</b>	
	Not available.
<b>Flammability Limit - Lower(%)</b>	
	Not applicable.
<b>Flammability Limit - Upper(%)</b>	
	Not applicable.
<b>Oxidising properties</b>	
	Does not meet the criteria for oxidising.

**10. STABILITY AND REACTIVITY****Reactivity**

There are no known reactivity hazards associated with this product.

**Stability**

Stable under normal temperature conditions and recommended use.

None known.

**Conditions To Avoid**

There are no known conditions that are likely to result in a hazardous situation.

**Materials To Avoid**

No specific, or groups of materials are likely to react to produce a hazardous situation.

**Hazardous Decomposition Products**

None at ambient temperatures.

**11. TOXICOLOGICAL INFORMATION****Toxicological information**

No data recorded.

**12. ECOLOGICAL INFORMATION****Toxicity**

The product is not expected to be hazardous to the environment.

**Degradability**

The product is expected to be biodegradable. The plastic film is not biodegradable.

**Bioaccumulative potential**

No data available on bioaccumulation.

**Mobility:**

Mobile. The product is water soluble and may spread in water systems.

## FIVE STAR / GREENSTAR

### Other adverse effects

None known.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Recover and reclaim or recycle, if practical. Incinerate in suitable combustion chamber. or Dispose of on site landfill area.

### Waste Class

Not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261

## 14. TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

### Transport Labels

No transport warning sign required.

### Environmentally Hazardous Substance/Marine Pollutant

No.

## 15. REGULATORY INFORMATION

### US Federal Regulations

#### Federal Regulations Comments

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. TSCA: The ingredients of this product are on the TSCA Inventory.

### US State Regulations

#### State Regulations Comments

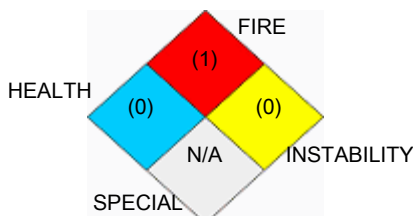
State and local regulations may apply.

## 16. OTHER INFORMATION

### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH		0
FLAMMABILITY		
PHYSICAL		0
PERSONAL PROTECTION		N/A.

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



### Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

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### Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.